```
<222> (9161)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9162)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9163)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9164)
<223> n equals a,t,g, or c .

<220>
<221> SITE
<222> (9165)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9166)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9167)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9168)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9169)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9170)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9171)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9172)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9173)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9174)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9175)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9176)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9177)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9178)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9179)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9180)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9181)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9182)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9183)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9184)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9185)
<223> n equals a,t,g, or c
```

10002

```
<220>
<221> SITE
<222> (9186)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9187)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9188)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9189)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9190)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9191)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9192)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9193)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9194)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9195)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9196)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9197)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9198)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9199)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9200)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9201)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9202)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9203)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9204)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9205)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9206)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9207)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9208)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9209)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (9210)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9211)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9212)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9213)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9214)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9215)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9216)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9217)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9218)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9219)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9220)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9221)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (9222)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9223)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9224)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9225)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9226)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9227)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9228)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9229)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9230)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9231)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9232)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9233)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9234)
```

10006

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9235)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9236)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9237)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9238)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9239)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9240)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9241)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9242)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9243)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9244)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9245)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9246)
<223> n equals a,t,g, or c
```

10007

```
<220>
<221> SITE
<222> (9247)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9248)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9249)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9250)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9251)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9252)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9253)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9254)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9255)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9256)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9257)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9258)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9259)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9260)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9261)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9262)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9263)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9264)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9265)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9266)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9267)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9268)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9269)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9270)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (9271)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9272)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9273)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9274)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9275)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9276)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9277)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9278)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9279)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9280)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9281)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9282)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

<222> (9283)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9284)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9285)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9286)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9287)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9288)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9289)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9290)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9291)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9292)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9293)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9294)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9295)

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9296)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9297)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9298)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9299)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9300)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9301)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9302)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9303)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9304)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9305)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9306)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9307)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9308)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9309)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9310)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9311)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9312)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9313)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9314)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9315)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9316)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9317)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9318)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9319)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9320)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9321)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9322)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9323)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9324)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9325)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9326)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9327)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9328)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9329)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9330)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9331)
<223> n equals a,t,g, or c

<220>
```

<221> SITE
<222> (9332)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9333)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9334)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9335)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9336)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9337)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9338)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9339)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9340)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9341)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9342)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9343)
<223> n equals a,t,g, or c

<220>
<221> SITE

```
<222> (9344)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9345)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9346)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9347)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9348)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9349)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9350)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9351)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9352)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9353)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9354)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9355)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9356)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9357)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9358)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9359)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9360)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9361)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9362)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9363)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9364)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9365)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9366)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9367)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9368)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (9369)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9370)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9371)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9372)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9373)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9374)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9375)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9376)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9377)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9378)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9379)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9380)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9381)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9382)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9383)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9384)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9385)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9386)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9387)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9388)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9389)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9390)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9391)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9392)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (9393)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9394)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9395)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9396)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9397)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9398)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9399)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9400)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9401)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9402)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9403)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9404)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (9405)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9406)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9407)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9408)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9409)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9410)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9411)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9412)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9413)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9414)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9415)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9416)
<223> n equals a,t,g, or c

<400> 11498
gtgacttgta gctttaacaa aaattaggtt ccctagttgc agctgccagg gaaagctagt      60
ctaatatcaa agcaaaccat ccttcttctc aagcacagag tttttaagat aggagtgtgt     120
```

```
gtgtattgac attttcctag cagtggctga agtcaaggac caggagattt agggcccact    180
tggagttctt atggtgaaac agtagtagct tcctagagac ctttaaagct tatctgtaat    240
ttgtatagtt cagaagatac tgtatacatc attatttctc cctgctttca aaacaggaag    300
ggggtgtgga gagtaacaca ctaaaaaaag gataagtaat taatttctgg gtaagaattt    360
ccttttggct taaaatggac tgatggtgta agttcctccc tttgcaagca gaagctttga    420
agatagtgag ctagatgaag ctctggacat cttgaatgaa gtattctgta taagaaccaa    480
gtgtataata actgttagta atagaggctg ctcatagaaa tgtcattgca ttataattgt    540
agggacagtt tgtcagagag taggtagaag attatcagac ccaggttttg ttcttggctc    600
acatgaagtc atcaagtagg ctatttaaat gcttcacttt aaccataggc taagattaaa    660
ttaaaaataa aaagcttttg tcatggccgg gcacagtggc tcatgcctgt aatcccagca    720
ctttgggagg ctgaggtggg tggatcacct gaggtcagga atttgagact ggtctgacca    780
acatggtgaa accctgtctc tactaaaaat acaaaaatta gccgggcacg gtggtgcacg    840
cctgtaatcc cagctactcg ggaggctgag gcaggagaat cgcttgaacc tgggaggggg    900
aggttgcagt gagccgagat cgtaccattg cactccagcc tgggggacag agtgagactc    960
cgtctcaaaa aaaaaaaaa aaaaagcttt tgtcaattaa agatgcttgt cagtactgag   1020
tattcatgtt gctatggcac ttttataaga aaactgtaca cggtcatatc tgcttccgaa   1080
aataatacat agtgagatag taattttaca ggcaattaag aatttgctgg ccaggcgcgg   1140
tggcttacac ctgtaatccc agcactttgg aaagccaagg tgggtggatc acctgaggtc   1200
aggagtttga ccagcctg gccaacatgg cgaaaccctg tctctactaa aaaaaaaat   1260
ccaaaaaatt agccgggcat ggtggcaggc gcttgtaatc ccagcaactt gggaggctga   1320
ggcaggagaa tcacttgaac ccgggaggca gaggttgcag tgagccgaga tcgcgccatt   1380
gcactccacc tgggcaacaa gagcaaaaac tccgtctcaa aaaaaaaga atttgctata   1440
atagaagatc catgtgtaca ttctgtatgc aaatcttagg aagatattag atcccagaag   1500
gttaaagttc cgatctctat atatttgtat atgctttaag gagaagtggc atccatgtag   1560
atgtggtaaa tggcttataa ctctcgaggt ttccaatttc tgctgtggta gcaattctaa   1620
actcagatgg acttggacac tactctggat tactgtccct aaatatcaac tactgtttat   1680
aagccagcag aggccaactg aaatagtaca cataaagttc ctacagcata tccctcagtc   1740
agaagtggaa aagattgatt aaagttggag tataaacata tggggccctg accaaaaata   1800
ttgaaccgta ctactagaaa tccccattct ttagctaaag gataatctga cttcactttt   1860
aattcttcat tgactattgg tgctctgaaa gaataggaaa taatagcaaa acatgggaac   1920
tcctagatag catacacttta tttttaaaat gtataccatc ggccaggcac catggctcac   1980
gcctgtaatc ccagcacttt gggaggccaa ggtgggcgga tcatttgagg tcaggagttg   2040
gagaccaccc tgggcaacat ggtgaaaccc catctctact aaaaatacaa aaactaactg   2100
ggtgtggtag cacacacctg taatcccagc tactcaggag gctgaggcag tagaactgct   2160
tgaacctgga agacagaggt tgcagggagc caagatcacg ccactgtact atagcctggg   2220
agaaacaaa caaaaaacat atggtcaact tcccaagtaa actgaccaat gtcagtttag   2280
gttcagtctt actgtaggag tgcctgccgt aggccagcgc ctctcaacct ttccactaag   2340
tacattaaga tcctaacagt aatcattggg accccaggtc atcgtctcaa cagaagctcc   2400
agatttcttc aagtcttggc cctcttgttt tatatcaaaa ttttatgtat attattttta   2460
tatttttcaaa aattctcccc agatcatcaa gtaatattga gatgctgaca tagaaaaaag   2520
tagatttcca gctggtatga tcagtgataa attggacttc atcaaaatta aaagctttttg   2580
tgcaccaaag gatactatca agaaagtaaa aagctatccc acagaatagg agaaaatatt   2640
tgtaaatcat aagtctagta ttcagatgtc taaagaactc ttagaattca acaataaaaa   2700
gataacccag tttacaaaat ggatatgaat agacagttct ctaaaagaga catatacatg   2760
gccaataagc tcgtgaaaag ctgtttaata tctttagtca ttagggaaat gcaaatcaaa   2820
accacaatga tatatcattt cacacctact aggatggcaa taatcaaaaa cacacaaaca   2880
gatgttggtg aagatacgga gaaattggaa ccctcaagca ttgctggtgg gaatgtaaaa   2940
tggtgcagcc acttgtggaa aatagtttgt cagttcctca aaaagttcac agttaccata   3000
tgacccagca attccattcc tagggttaca cccaagggaa ctgaaagcat agattcacac   3060
aaaaacttgt acacaaatgt tcatagcttt attataatag ccaaaagtgg aaacaaccca   3120
gttgtccacc aattgggaca aattgaatga atacacaaaa tgttatatcc acacaatgga   3180
atgttattca gccataagaa aacaatgaaa tcctgatcac atgctgcgac acagatgaac   3240
cttgaaaaat tgtgacatga aacaagccag acacaaatgg ccacatattg tatgattcca   3300
tttatatgaa atacccagaa taagctaatt cgtaaagaca gaaaatagat tggtggttgc   3360
tagggataa gaggaagggt gaattgggaa tggccactat gcggtacagg gtttctaatg   3420
ttctggcatt agatagcaga gatgaaaatg ttctggcatt agatagtgga gatggttgca   3480
taacactgaa tatactaaaa tccactgaat tgtacactta aaaaaatgaa gaaagaagga   3540
ctatggaatga tcaaagaaaa aaatgctttg tgctcaagta gggatagaat aaacagtaag   3600
actgaaaga ctgtgaaggg ccttgaatgg caagctaagg aagttagctt tcatcttata   3660
gatcgtagga agccaccaga gtattttgag caggggtggc atgtttaagg tagtgttata   3720
ggaagtttaa tttgtgaaat gagaaagaga tactatcagc caggagaggt agaaggttct   3780
```

10022

```
ataaagtcaa attgaacacc cgaagtttca gatttcatga atgaccctgg gtatgtgtgt    3840
atacacatat gtatgggatt tgtagtcatc tggggaaggc tgaggtgcta atatgaatac    3900
tgaaaactag agagggtaat atagcagagt agttaaaaat gaaaacactc tgaacccaca    3960
tgctgtctgg gttcaaattc cagctgggct accttccagc actgtgacct taggtaagtc    4020
actaaccctg tctgtgcttc agcttcctct tccgtaagat aaggatacct actcatcaag    4080
gttgtttga ggattaagtg ggttaataca tacaaagtgt ttacaatgtc aagcttaaag    4140
aaaggtcccc aaaaatgtca gctgctagtc tgaaactcca gagcaggttt gagagtaacc    4200
cgctgttgtt ctctgccccg gataaactat gaagtaacag tcctaaagtg ttaaaagaca    4260
aaacaaattt ttctttgtga aaaatgaccc tttaaaaaaa ctccatctac taataatgaa    4320
gcttagtagt agtaaaatga tgattttag ccataaaacg ggttttctat atcttcacaa    4380
atatagtgta gagtttcaca atattctttg atatgaacca gtctctcata ctttctgtat    4440
agcactgatt cgctaagtaa gatgccaagg catgacctcc cttcaggaat tgggaatctg    4500
catttttaat aagcatccta ggtaattctt ttttttttt tttttttttt gagacggagt    4560
ctcgctctgt cgcccaggcc ggactgcgga ctgcagtggt gcaatctcgg ctcactgcaa    4620
gctccgcttc ccgggttcac gccattctcc tgcctcagcc tcccaagtag ctgggactac    4680
aggcgcccgc caccgcgccc ggctaatttt ttgtattttt aatagagacg gggtttcacc    4740
ttgttagcca ggatggtctc gatctcctga cctcatgatc cacccgcctc ggcctcccaa    4800
agtgctggga ttacaggcgt gagccaccgc gcccggccgc atcctaggta attcttatgc    4860
atgatacagg ttgagaccag tgccatgtac agaagtggga aaaatggctt atgaaactca    4920
gttgtattta gcacactgtg ttagacataa aatttgaaaa cccaacctgg acaacacagt    4980
gagacccagt ctctactaaa ataaataaa taagtgaaca ttgaaaacca atggatagta    5040
gaatgtattc agttcagtga gacatgaaac aatattttg cttaattgaa tcaaacatat    5100
gttaaaaaaa aaaaaaaaac tcaccctact cccaaagcac tcaataaatt cttcagagaa    5160
aaggaagagc ttttgtact acattgcctc taaaatcttc tgtaggataa gacatttaa    5220
gatcacttaa aatcttgttt taagttttta agtctcattt taataaccaa ataaaatggt    5280
ttttatttga gccagtttca agttcttaaa gtgacacata ggacttaaca aaatccatta    5340
gttgtcattt gtgctttgcc catttttact gatttcttca tactctgaag gaaaaaaaat    5400
gctacaaatg tatgttggta tataagagag tgcattccat aaatattaga aatttttttt    5460
ttctttttt gagatggagt ttcactcttt cgcccaggct ggagtgcagt ggtgccatct    5520
cagctcactg caacctctgc cttccagttt caagtgattc tcctgcctca gcctcctgag    5580
cagctgggat tacaggcgcc cgccaccacg cccagctaac ttttgtattt ttagtagaga    5640
tggggtttca ccatgttggc caggctggtc ttgaactcct gaccttgtga tccacccacc    5700
tcagcctccc aaagtgctgg gattacaggc gttagccact gcgccggcc agaaaaatat    5760
tttatagaat tcaaacttgt attttctttt gaagggatat aaaaagggtg agagaaccca    5820
acaaccacac ttattcaaat ttataaggat aattaggagt attctcatgg ttatctttag    5880
aatcttagca gggtaaaaaa gagtttattg tttcatttgc tgaaactcct gagaagaagt    5940
ctcaccacat ttgtatttac agagattaga tttggcaact ctaaagacaa gagaaattac    6000
tcatgataag tgtttggagg ggttggagag aaaacagcta attaggcact tggcagtgtg    6060
gcagggcaac ctttgggcaa cccagtccag attaggttag aagaggagca cggacctttt    6120
gtccactgca aaccagtgcc acaaatgaag tgggaagaga caggttacca catactggtt    6180
ggacttgaga gagaaccaga aagtgtacaa tcccataagc ataaaaaatg gggataaaac    6240
ttcaagtgta tataagggta agaacaggag gaagcagtaa cagagagggc aggagagaaa    6300
gatcagaagg aatcggacgc ctgagaagag gaactggggg ctgagtcctg tcctggcctg    6360
gccgctcccc attcctccct ctgcctctga gggcttcagt tttcccaagt gagaaacagc    6420
tgtgctagat tgcttctaca gtcctttcca ctcctggacc gaaacagttg cccctgcatc    6480
taaaatacgt agctctagca tataaaatgc aggttacctc aactcccccc cgactcccac    6540
atctcactcc cttcctttcc ctgcctgccc taattctggc tgcgttctgt tcttgcctca    6600
tatggactct tttctcctc cccttctttt ccaatgtcat gcagtctctt aacactgggt    6660
ttcaaccact atacagaaaa atgttagtga aaaaggaaga ggggttccat gctgcttgat    6720
tctccctaac caggcacact aaactagggg tgacagtgta tcacaaagtc cagactcaca    6780
gtcttgctgc cccttctcct cttcaaagtt tgtttccgaa gtaccacccc ttgcacctca    6840
catcccagcc aactctgcct acctgtcagc cccagccctc ctcaggcctg cctcagcctc    6900
acagccagga tcctaccaac accaacaccg cgccaaataa cccctcccaa aagcctcacc    6960
ggaactaatc tggggactct gcctattatt aggaacacct ggatgaagc ccctacccgc     7020
agaattctgg cagtagcagc agaattttca ggcatgtgcc taattttgtt ggggtggtgg    7080
ttgattattt tttttaaatc taggatttct gggatctgaa gcttatacaa tcttggatat    7140
cttctttaag aaaaagaata caaaaatatc ttctataagt tttacaaaaa tatatgacca    7200
tgtgagcacg ttgctagctc ccgcccccac cccaccccccc agagccttgg aaggggagtg    7260
aaactgaagc ttttttagct tcatggcaaa tatgcttctt cctgagagta ctgggtacat    7320
tcacagacct ttattttta ctttctatag atttaattta gttaagtcag ttcgaagcgg    7380
gcaaaggcca aaatttctca cccctaggtg gctcaaattt ctgagcctga gattttatat    7440
```

10023

```
cttaaaatcc attaaaagaa tactcaattt tcggccgggc gcagtggctc acacctataa 7500
tcccagcact ttgggaggct gaggcgggca gatcacgagg tcaggagatc gagactatcc 7560
tggctaacac ggtgaaaccc cgtctccact aaaaatacaa aaaattagcc aggcgtggtg 7620
gcgggcacct gtagtcccag ctacccagga ggctgaggca ggagaatggc gtgaacccgg 7680
gaggcggagc ttgcagtgag ccgagatcgc gccactgcac tctagcctgg gcgacagccg 7740
tctcaaaaaa agaatactca atttttaaga agttaggtgt aggtatgctt atataaaata 7800
tttagacatg cataagtatt ttaagtggcc tgaaggaagt acatgtatgc tacttttgca 7860
aatattttcg cttttttttt ttttttttt gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 7920
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 7980
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 8040
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 8100
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 8160
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 8220
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 8280
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 8340
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 8400
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 8460
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 8520
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 8580
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 8640
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 8700
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 8760
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 8820
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 8880
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 8940
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 9000
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 9060
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 9120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 9180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 9240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 9300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 9360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntcac 9420
gcctataatc ccagcacttt gggagtctga ggcgggcgga tcaccagagg tcaggagttc 9480
aagaccagcc tgaccaacat ggtgaaaccc catctctact aaaaatacaa aaattagcca 9540
ggcatggtgg cacacgcctg tagtcccagc tacttgggag gctgaggcag gagaattgct 9600
tgaacctgag aggcagaggt ttcagtgagc caagactgca ctactgcact ccagcctgag 9660
gaacagagcg agactctgtc tcaaaaaaaa aaaaaaaaaa aaagaatgta agtaatttgc 9720
ccaagctgca gagctaaatt ttaaactaga taattctgat tccaaagccc agataatctg 9780
gctagaagtt gcaccagggg attcactgat ttacaaagaa ttagaatgtg ataaaattcc 9840
ctgagtacag gcaagtgtga tttttatctt tgctagtaaa gccatttaga tgtcttaaag 9900
tgcctcaatc tgttgcacct gttctactaa aacaaagaaa tgagtcaacg gcctctttta 9960
gctttaacat tctctctgtc tatacatttt tatagaataa ttttttagtta ttgcagcagg 10020
tttcaccagt cagccaacgg gtgtgtataa cattaatcac tagcactaca cctcagaagt 10080
cttgcttatt aagagcactc agcttaagtg aagaaattaa agaattttgg taggcctttg 10140
ggacagttca agtttaggtt gtttggctgg gttgagagag taaaaaacta acatttctta 10200
acctaacct ttttctttct ttctcacagg taacaactat ccaatagctt acctttaaaa 10260
tgtcccctct attgttcctc cctcagacat ttttgatcac ttgtcccagt ttccatgagt 10320
cctgtatcac agctgtcaca atgcttgagc tatttaggtg gaggtaactt tcagaaatga 10380
actgctgaag ggtgcagagt gctcaagaat tagattaaca aagaaagtac acctaaattt 10440
agcattaaaa tgaactttta aaatattttt caataggagg ataagcaaac ataaaaatgg 10500
gtgtgcttat gtctataaac aggtgctgga gcatagattg ttatctggac atcaaagaat 10560
aatagagctg tagctttaaa agagcacaca gctggttatt agtgattcac tcccaggtca 10620
ctgccaagtg ccaaggcatg tggcaagaat agtagaatgg aaatcaggtg atgtggattc 10680
taatttgagc tctgctctgt taaccttggg catgccagtt atcccctttg gaccttagtc 10740
tcttatctac ctaatgaagg gtttggagca ggtaattctt cagttctaag taagaatctg 10800
tattcatgaa taactgttca gcatatgact cagcccaagg tgtacaggat tgctggagtg 10860
tggaaggtat gttggctcct gcctgtacta gcaacaaggc ttaatctagt gaacagaaag 10920
gatcaaaggt ggctatatcc ccacctaaat gtccatgatc tacaagtgct cttctagctg 10980
gcagagtggg tcagtaatga gattttgtat ctcattatat gaagttctaa gcactgaacc 11040
taatcagtta cccatcactt aagtagacag tgtcaggcag agcttaactc tccttcctat 11100
```

10024

```
tttcctttgt cttccttttc tctgtaagtt ctctaacata aggaacttcc attttggtga 11160
aagaatagaa aagttgaggg acaggccagg tgtgttgtaa gtaagactga tccagctgat 11220
tggtttgcca tttagattgc atggcagaca tctgccataa gcacttaaaa cacaccttca 11280
ataggcatta gaaagcacac acacggccaa acatagtagc tcacacctgt aatgccaata 11340
ctttgtgagg ctgaggcagg aggattgctt gagcccagca gttcaagacc agcctgggca 11400
atatagcaag atgccatctc tacaaaaaat tttaaaatta tctgaatgtg gtagtacatt 11460
cctgtggtct cagctactca ggggtctgag gtcggaagat cacttgagcc caggagatca 11520
aggctgcagt gagccatgac tgtgccattg cactccagcc tttgcgacag agcaagaccc 11580
tgcctcaaaa cacacacact gactagggat ggtggcttat gcccagcact ttaggaggct 11640
gaggcaggca gatcacttga ggtcaggagt ttaagaccag cctggccaac atggtgaaac 11700
cctactctac taaaaataca aaaatcagcc atgcggccag gtgcagtggc tctcgcctgt 11760
aatcccagca ctttgggaag ctaaggcagg aggatcacct gaggtcagga gttcgagacc 11820
agcctgacca acatggtgaa atcctgtctc tactaaaaat acaaaattag ccccgtgtgg 11880
tggcgcctgc ctgtaatccc agctacttgg gaggctgagg caggagaatc acttgaaccc 11940
aggaggcaga ggttacggtg agccgagatc acgccattgc actccagcct gggcaacaag 12000
agcgaaactc catctcaaaa aaaaaaaag aaaagaaaat cagccatgca tggtgacaca 12060
cagttgtaat cccatctacc tgggaggctg aggcaggaga atcgcttgaa cctgggaggc 12120
agaggttgca gtaagccaag attgcaccac tgcactccag cctgggcaac agagtgagac 12180
tgtgtcttga aacacacaca cacacacaca cacacacaca cacacacaca cacacacaca 12240
taatttgctg ttgttttggg ggcatggcgg cacatcctta tagtcctagc tacttgggag 12300
gctcaggcag gaggatcact tgaacccagg aagttgaaac tgcagtgagc tgtgattgtg 12360
ccgctgcact ccagcctggg caacagagtg aagtactgtc tcaagaaaat aaaaaaataa 12420
agaaataaaa acataaggtt tagatggcaa ctttaaaatg tgaaaggagg atatacagtt 12480
tttcaaaatt cttctaggag ctatgccagc aaaaaggttt gaagacctga agaccattat 12540
atcagtggca taaacatctt taatttgtcc ttttccttct cctacaccta gtcaattgat 12600
ttttttttc ccatttatca atttcagact ctgcctggtt tttcactttc ccatccattt 12660
tgttacaata ttttttcctcc cttgaaatta gcccagtctc ttggagtgaa tgccccatgc 12720
tccttcctac cgctgtgtct ttactacatt atcctccctt ggaatgccgt catctcttct 12780
ctgttcaaga actacttctc ccgaccactg tggtcgagat tgatttctct ttaacctcta 12840
caacattggc tattccatac agttagccct tagcatagaa catcattgtt tgattttgct 12900
ccttaagaat agaaagcacc tcttaaaatt ctaccatatt cccccaatgc ctaatgcaat 12960
gctaaccaca tagtgagtgc ttaataaata ttgtattgac tgcctagagt acagagcact 13020
tgttcactca ttgttcggcc attcagctaa tacttttga gaaattttgt gtaccaggaa 13080
ctgtactatg cactgggta cggtagggac taaagtagat gataatccct gctttgaaag 13140
actgaaaagt aagatatatg gtatgtcaaa aggtaataag tactgagaag aaaaatagaa 13200
aaagcaggaa agaagaacaa gaagtgtgtg atgggggagg gttacagggt ggggaggggt 13260
agtgttgtat acacttctag ataagatagg gaagtcctca ctgatactta tggtgacatt 13320
ttacaaagga cctgaggtgt aggaaggatt tgagcttatc tgtgcaaaga gccttccagg 13380
caaggaactt accatgtgaa ggcaccaagg ctggacctgc ttaacattcc aggaagggaa 13440
agctttgggg ctggagcaga agggtagagg ccagattgag agatgagtca gaggacagtg 13500
gggcccgggc agagggacag aacctgcggg tgctggcaat cagccttttg atctgagtga 13560
gaatagaggc cttgagaggg ctttgagcag aggagtgacc tgctgactta agttgaatag 13620
aaccctctag atgcttcatt aaggctagac tgaagggagg caaaggcagg gtgagatcag 13680
tcaggaggca agtatataat gataatacat tgaatataat aatgatatat taataataat 13740
aatccagaga tagtggcaac tcagaccagg ggaagcagta gaggcggaga gaagtggtca 13800
gattttggat ttattttgaa ggtagaacag acaggattgc tgactctgtt gagtagtcag 13860
ctgggagcta ttgatggttt ctgagcagga gctgaaggaa gattaccccg gtataggact 13920
gctgggaaga cgtggtgcag gcagagatca ggtaggaggc cattgcaagg atttaagggt 13980
gagatccata agggtttttaa ctgcaaatca gcagaggaaa aagggagtgg tgatggtcat 14040
ggtgacagtg atggtgagag agactggaaa ggaggaatca acaggatttc atgactagat 14100
aacagagaac caatatgaag aaggaaaaca cttttttttt tttttgaga cggagtctgg 14160
ctctgttgcc caggctggag tacagtgaga cgatctcagc tcactgcaac ctccgcctcc 14220
tgggttcaag cgattctcct gcctcagcct cctgagtagc tgggattaca ggcatgcacc 14280
accacgcccg gctaattttt gtatttttag tagagatggg gtttcaccat gttggtcagg 14340
ctggtcttga actcttgacc tggtgatccg cctgccttgg cctcccaaag tgctgggatt 14400
acagacgtgg agccaccatg ccctggcagg aaaacacact tttgaatgtt gtgtgacctg 14460
gagaatggta acactgttaa tttaaaaaaa aaaaaaagc ccagagaagg ctgatttagg 14520
gagaaattta tgccttagtt atacagagtt tgagatggta atgaaatatc aaattaaaac 14580
tgtccagcaa ggaagtagga aatgtggaac tgaaaagaa gttagaacta aagatgtgga 14640
tctgtctttg gcataaagat tatattaagt tacttgagag tagatgagtt ccaaagaag 14700
cagtgtagca agaatagtgg agggccaaga ctggatcctg ggggtcagca acatctagga 14760
```

10025

```
gccagaaaaa atgccttcgg tgaaagaaac ggaaagatgg gtctattcaa attgtagtca 14820
gccaacccat gccagaagta agcacagaaa gtaagagtga acattggcca agcacagtgg 14880
ctgatgcctg taatcccaac actttgggag gccaaggcgg gcagattgct tgagctcagg 14940
agttcgagac cagcctgagc aacatggtga aactccaact ctacaagaaa ttagccggtc 15000
ctgtgcacac ctgtagtccc agctgctagg gaggctcagg tgggaggatc acttgaacct 15060
agaaagttga ggctgcagtg agctgtgagc atgccactgc actccagcgt gggcaacagc 15120
ccggtggctc acgcctgtaa tcccagcact ttgggacgcc aaggcaggtc gatcacttga 15180
ggtcaggagt tcgagactag cctggccaac atggagaaac cccatctcta ctgaaaatac 15240
aaaaattagc tgggcatggt ggtgcacacc tgtaatccca gctactcggg aggctgagac 15300
aggagaatca cttgaacctg ggaagcggag gttgccgtga gccaagatca tgccactgca 15360
cttcagcctg dacaacacag agagactctg tcccaaaggg aaaaaaaaga aaaagatcca 15420
ggagatccat tcctaggtat atacccaaga gaattgaaaa cataaaaaca tatgttcaca 15480
caaaaacttg tacatgggct catacctgta attgcagcac tctgggaggc caaagcagga 15540
ggatcatttg aggccaggag ttcaagaccg gcctaggcaa catagtgaga ccctgtctct 15600
acaaaatgca tgaatgtttg tagcagcatt cttcataatg ttcctaaagt ggaaacaacc 15660
cagttgtttg tcagctgatg aatgggtaga ttatatgcag agtatccagg ctgggcgtag 15720
tggctcatgc ctgcaatcct agcactttgg gaagctgagg tggacagatc atttgagctc 15780
aggaattcaa gaccagcctg agcaacatag tgagaccttg tctataaaaa atttttaaat 15840
gttaaaaaaa agaatgcaga gtatccatac aacgggatat tattcagcca taaacaggaa 15900
tgaagtactg atacatgcta caacatggat gaaccttgaa aacatgctaa gtgaaataag 15960
ccagacacaa aggtctacac attgcctgac gccatttata tgaaacacct agaataggcc 16020
aatctataga gacataaagt agatgaatgg ttgccaggct ctgggagtta agagagaatg 16080
ggaaatgact gccaacatgt atggggtttc tacttgaggt gatgaagata ttctgaaatt 16140
agatagatag tggggatggc tgcacaacct tttttttttt tcttttttgag atggagtctc 16200
gctctgttgc caggctggag tgcagtggcg caatctcagc tcactgcaat ctctgcctcc 16260
tgggttcaag caattctcct ccctcagcct cctgagtagc tgggactaca ggcaggcacc 16320
accacgccca gctaattttt tgttagtaga gacagggttt caccatgttg gccaggatgg 16380
tcttgatctc ctgacctcgt gatctgccct cctccggctc ccaaagtgct gggattacag 16440
gcataagcca ccatgcccgg cgacaacctt ttgaatatac taaaaaacat tacattttac 16500
actttgaagg gtgaatttta tggtaaatta tatctcagta gaaaaaaatc caggaaactg 16560
tgtatagtca gccctccata tttgtggggt ccacattcat ggattctaag ctaaataata 16620
atacaataat aaaaatataa ataaaaaaca atatgctata tagcagctat ttgcattgca 16680
tttacattat attaggtatt atgagtaatc cagagatgat ttaaagtgta tgtgaagatg 16740
tgcataggtt acatgcaata ctacaccata ttatataagg gacttgagca tctgtggtgt 16800
ctgctgcgag tactagaacc aatccttcat ggacaccaag agataactgt attcaaaacc 16860
aatgaaacca gtgaaagaga agtttcaaaa agattgaaaa cacagcaggg cagtcaagga 16920
aaccagggag aaaggaaaga ctagtggatt tgggtattag aagatgaaag attaaaacaa 16980
atcattccat atcagcatgc agtccataga ctactcctaa aagttcctga gacttcttta 17040
aggaatctct ttggggtaaa aattattttc atgatactac taagatgtat ttgtcttttc 17100
cctatgttga cacttgcact gatgttgcaa aatggtggta aaactgctgg cgccttagca 17160
caaatcagga cggtgacacc aaactgtacc agtggtcact gcattcttta ctgccatgca 17220
ctcacaatca aaacagagcc agtttcactt aagaatcgtt gatgaagtgg taaatttttt 17280
ttgtttttt  tttttgaggc agggtcttac ccaggctaga gtgcggtggg ggcatcacag 17340
ctcactgccg cctcaacttc ctgggctcag gtgatgctac ctcagcctcc tgagtagctg 17400
aggctacagg tgtgcaccac cacacctggc taattttgt ttttgttttg ttttgttttg 17460
tttttagaga tggggtttca ctctgtcgcc caggctaaat attgttaatt gtatcaaatg 17520
tcagtccttg aataaatctt tttttttaa ctggtatgca ccaccacacc cagctaattt 17580
ttgtattttt agtagagacg gggtttcgcc atgttggcca ggctggtctg gaactcctga 17640
cctaaagtga tctacccgtc ttggcctccc agagtgctgg gaggtgtggg ccaccatgcc 17700
tgatcctgag tacatctttt taaacttgtt tgaagaaatg ggaaatatgc ataaaccgcc 17760
tctgctgcac actggtagag tacggtggtt gtcacaagga aaagcatttg ggcgattatt 17820
caagttgcat attgatttag cagcttcttt tttcaccgac caccattttt acttgaaaga 17880
atgatagaca aactatggtt ttagacttag gcatctggca gacagtctct tgaaactgta 17940
tgaagtgagc ctgtcacttc aaggtaaaca aatgacaata tttgtagcca gtgataaaat 18000
ttacactttc aagtaaaaat tagaattttg gaaaacttgt atccactccc atgagcttga 18060
ccacttttca atatatacag actttctgc tgaaatcaat ggtgaaattt aaggaatatg 18120
atttttgat atgtattcta atgaaatatg tcagtattta gaagatctgc ctaacaacag 18180
ggaaccagta ttttgcagtg atctatgtgt gatgttacaa agtcatgcat ggtaaaatat 18240
ccattcaaag tgcaagagaa gccaatgggt tttattataa caaaagttcc taactgttaa 18300
gaaactacta cttgtcaagt tttgatgtag cgctaaagaa tatccaaaat tatctgaaaa 18360
tgcagatact ttctctgtct gtgtaaagcc agattttctt tgtatatttt aaccaaacta 18420
```

10026

```
acatattaca acagattaaa tgcagaagca gatttgagaa tccagtcatc ttctattaag 18480
tcagacagag gccataaatt tatgaaaatg taaaacagtg gcattcttct cattagatgg 18540
ctttattct ttgattgttt tgggaaatat agtggtttac atttaaagta tgttatttat 18600
attaatataa tgtgtagtag ttttactgtt aatattttta ctgaattaat catatctttt 18660
actttttttt tagtttattt ttcttccttt tttttttttt tttgatttgg agtctcgctc 18720
tgttgcctag tctggagcac agtggcgtga tctcagctca ctacaacccc cacctcctgg 18780
gttcaagcga ttctcctgcc tcagcctccc aagtagctgg gatcacaggc gcctgccacc 18840
atgtctggct ggttttttgta tttttagtag ggtttcacca tgttggccag gatggtctca 18900
aactcctgac ctcaagtgat ccacccacct cggcctccca aagcattggg attacaggag 18960
tgagccacca cacccagttt ttagtcttat tttctaacac agtagacatt gatatatagt 19020
tcccacatta acaaaagttg tttggggtgc tcaatttatt tatttatttta tttatttatt 19080
tatttattta ttttattttta attttctttt tgaggcggag tctcactgtg tcgcccaggc 19140
tggagtgcag tggcacaatc tcggctcact gcaagctctg cctcccaggt tcacaccatt 19200
ctcctgcctc agcctcccga gtagctgggg ctacaggtgc ccgccaccac acccggctaa 19260
tttttttgtat ttttagtaga gacagggttt caccatgtta accaggatgg tctcgatctc 19320
ctgacctcgt gatccgcccg cctcagcctc ccgaagtgct gggattacag gcatgagcca 19380
ccgtgccccg cttatatttt ttttattttt atttatttat ttatttattt ttgagacagg 19440
gtctcaaaaa aaacaacttt gttgcccagg ctggagtgca gtggcatcat cgtagctcat 19500
tgtagcttct gtctccccag actcaggtga tcctcctgcc tcagcctctc aagtagctgg 19560
gactacaggc acgcaccacc caccccaccc aactattttt tttatttttt gtagagacag 19620
agtcttgcta tgttgcccag gctggtctca aactcctggg ttccagtgat tctcccgtct 19680
cagcctccca aagcactggg attacaggtg tgagccacca ctcccagcca aatttaccag 19740
acttaatgga aacagtccat ttctgtttct tcagatgaaa cctcacaact ttaggattaa 19800
taagtaatct cacaactatt gtacaggaaa taagaaaacg ttcccgctaa caatgcacgt 19860
tgtgatagat ctggtccctg acacaaacag cacttggaac tgagtgaagt ccagagactg 19920
aataatacag ttctatccac tccctgtgct tgactacaac ccctgaagag ggcttgtaca 19980
aattaaatgt atcccagcag ctgcttgaaa gaccacagca ttggccgggc acggtgactc 20040
acgcttgtaa tcccagcact ttgggaggcc gaggcgggcg gatcacgagg tcaggagatc 20100
gagaccacgg tgaaaccctg tctctactaa aaatacaaaa aattagctgg gcgtgatggc 20160
gggcgcctgt agtcccagct actcggagag gctgaggcag gagaatggcg tgaacccggg 20220
aggcggagct tgcagtgagc cgagattgca ccactgcact ccagcctggg cgacagagac 20280
tctgtctcaa aaaaaaaaa aaaaaacacg cattttgaat gtccctagca ttagggatta 20340
taaaggtccc attctagtag aagatcctca ggtttggagt gtactaaagg tcatcatcct 20400
tcgcctgcta ataaatttct gaagtccctg ctttaaacaa acaatcaaaa agaaggaaca 20460
gttacagtgc tgccaaacaa gttctttttt tttttttgag atggagtttc gctcttgttg 20520
ccaggctgga gtgcaatggc gtgatctcgg ctcaccacaa cctccacctc ccaggttcaa 20580
gcaattctgc ctcagcctcc cgagtagctg ggattacagg catgcactac cacgcccagc 20640
taattttgta ttttttttag tagagacagg gtttctccat gttgaggcta gtctcaaact 20700
cctgacctca ggtgatccgc ctgcctcggc tcccaaagt gctgggatta caggcgtgag 20760
ccacggcgcc cggccaacaa gttcttacaa acctctgggt tgttacaaac ccatctggtg 20820
ctaataaagg taaggcatca accccaatct ccaagctgag aattttatcc tcaggactga 20880
gcactgcggc ctgcattcgg atgttagtgg ggctgtcaga accgtgtctc atgctgttaa 20940
aagtggaagt ccttcccact cagacccacg gaagccaact ctgatgagtg ggagggtgag 21000
cagaaggggc ttcggtcatt ttttatagat tcttcaggta actctagcca ccatattaag 21060
cattggctcc cacaaaaaag cattaaggct cagaaacatc ttgtagggtc acaccctccc 21120
taaaaacagc acatccctga agtggtggct gggcagccag gctccaaagc ccgctgagct 21180
gagcggcagc caagaacaag gtttggtgtt tacatactca aaatcagcct gggttgtcac 21240
agcaactcac ctcagcacag ttcttccttc tccacggcgg cttgcttcca ggctttgctg 21300
ttctccgtca ccgtcttaac gttcctgcta acctggcctg ctgcattctt tttattttttc 21360
tcccaattcc tccgccttct tctcatgtgt ttgctagtgt gcaatacctc acctgtttgg 21420
aactcaacaa cgtcccctcc tgcaaacgc acctgaaaac aagaaatagc acacaaggcc 21480
tctaagtggc cagaacagat gttaccaggc ctaagtccat aaggaaagca cccaagcccc 21540
ttgcttttgt cttaaatctt ttttttttta cacctttaaa ataaggttat ggtttctaag 21600
gcctgccgta aattaggagt agggagagga actattgcca agcaccccaa aagttcaaga 21660
ggtgactgtt gatcccagag tagcaaggaa agggacagac aggctataag aagtggacac 21720
aagaactcag aactcaggac agtgtaggcc ttgttagagt caggcagaca atttcacata 21780
cctcagaacg tcataaagcc atcatgactt tactctggaa tagatacgat ccagacacct 21840
agaaaatgtt aaattagatt caacttaaag aggcagagta atatgtgtgg tgtttttaa 21900
tttcgagcat tccaaatggt taagggtttt catgcttaaa gagagaaact tagctaccta 21960
gaacttattt atgagtgctc tagataatta tctactgttt tatattttt tatttatacc 22020
ccgttactaa aacaaaagta aaaataaagc aaaagattga aggcattgac atttagtcta 22080
```

10027

```
tatactttct agttcctggc tctagttctt agcaatattt gctgctaacc tggtgttctg    22140
tctctgccaa atttctgccc atgtgaaata tatgagactt gatcctattt ccttgctcat    22200
tgatctacct gaaagggtca tagatgtctc cacctcccta gagctagtga tcctatatcc    22260
catcatctca gccagctaga aaacgaacca tcacatgcca cctcctaccc aattacgtgc    22320
ttcataaaca gaatacctgg catatagcag gcatttacta aacacttggt gaatgaatac    22380
atgagccagt aatccataag atatctgtag aattaattac agttgagcct tgaacagcgc    22440
aggtcctatg ggatcccacc ccttgtacag tcaaaaatcc tcataaaact tttttttctt    22500
ttttttttga dacagaatct tgctcgttgc ccaagctgga gtgcaatggc gtgatctcag    22560
ctcactgcca cctccgcctc ctgggttcaa gcaattctcc tgcctcagct tcccaagtag    22620
gtgggattac aggtgcctgc accacgccta actaattttt gtattttttag tagagatggg    22680
gtttcaccat gttggccagg ctcgtctcaa actcctgatc tcaggcgacc cacccgccta    22740
agcctcccaa agtaggggat tacaggtgtg agctgccgca cccggccgac aggtgtaact    22800
tttttttttt tttttttttt ttttgagaca gagtctcact ctgtcaccag gctggagtgc    22860
agtggctctc tctgctcact gcaatctctg ctcactgcaa cctctgcctc ccaggttcaa    22920
gcgattcccc tgcctcagcc tcctgagtag ctgggactac aggtgtgtgc caccatgccc    22980
agctaatttt ttgtatttta gtagagacgg aatttcacca tgttagccag gatggtctcg    23040
atttcctgac ctcgtgatcc acctgcttca gcctcccaaa gtgctgagat tacaggcatg    23100
agccaccaca cccggccaca tataactttt gactctccaa aaacttaact actaatagaa    23160
gacttaccaa tagcataaac aagttgatta acatatattt tgtatgtcat ttgtgttata    23220
tatgtatttc ttaccataaa gtaaactata gaaagaaaa tgttattaag agaatcataa    23280
gcaagaaaaa atatgtttac tcttcattca gtggaagtgg atcagcataa aggtcttcct    23340
cctcatgatc ttcaggttga gcaggcaagg aggaggagaa agagaaaggg ttgccatctc    23400
agcagtggca gaggcagagg gaagtctaag gggacccttg ctgttcaaaa ttgtgttgat    23460
caagggtcaa ctatacttgc atgaagctat aaatttaaga gcctagccta ttatgggaac    23520
agcaattaaa aaaaaaaaca ccagttggcc gggcgtggtg gctcacgcct gtaatcctag    23580
cactttggga ggccaaggca ggtggatcac ctgaggtcag gagttcgaga ccagcctggc    23640
caacatggtg aaataccgtc tctactaaaa atacaaaaat tcactgggca tggtggcggg    23700
cacctgtaat cccagctact gggaggctg aagcaggaga atcgcttgaa cctaggggcc    23760
ggaggttgca gtgagctgcc aagatcgtgc cattgcactc tccagcctgg gtaaaaacag    23820
ctaaactcca tctcaaaaaa aaaaaaaaac accagttgat cctggcacca ggaagatcaa    23880
atggcatttg tttgtttgtt tgttttgaga cagagtctcg ctctgttgcc caagctggag    23940
tgcaatggca cgatctcagc tcactgcaaa ctctgcctcc caggttcaag tgattctcct    24000
gcctcagcct cccgagtagc tgggattaca ggcacccgcc accacaccca gctaattttt    24060
tatattttg gtagagatgg ggtttcacca tgttggccag tatggtctca aactccggat    24120
ctcaagtgat ccacccacct cagcctccca aagtgccttg gtttacaggc gtgagccact    24180
gcaccagcca gtacagtttt ttgttttgtt ttatttggt tttttgagac ggaatctcgc    24240
tctgtcgccc aggctggagt gcagtggtgc catctcagct cactgcaagc tccgcctccc    24300
gtgttcatgc cattctcctg cctcagcctc cctagtagct gggactatag gcgcccgcca    24360
ccacacccgg ctaattttt tttttgtatt tttagtagag acggggtttc accgtgttag    24420
ccaggatagt ctcgatctcc tgtcctcatg atccgcccgt ctcagcctcc catagtgctg    24480
ggattacagg catgagccac cgcgcccagc ctttttttt tttttttttt taatgtatgg    24540
gggaaaaatg actagaagga cagaaaccaa catataacat gattgtgtgc atttacttat    24600
ttaacaaata attgagcaat ttatttctgt atgatactat tctaagcgtt ttagagttaa    24660
gcaaactcac agtaaactgt attgcccatg ataaaaactg cagttacata atttaaaagc    24720
aagaatcgca gcaattcatc aggcacagtg actcacgcct gtaatcccaa cactttggga    24780
ggccaaggca ggaagattcc ttgagcccag gaggtcaagg ccagcctggg caacatagtg    24840
agaactcatg tccacaaaaa ttacaaaata gccaggcatg gtggcaagca cctgtggtcc    24900
cagctactca agaggctgaa gttggaggat cacttgagcc caggaggtca aggctgcagt    24960
gagcgatgat cgtgccactg cactccagcc tgggtgacag agcaagagac cctgtctcaa    25020
aataaataaa aataaaagca agaattgcag aaagtataaa ccatgaccaa ctcaagagaa    25080
taatcaatga aagaataggc agaatgtctt tccaaaaagc agttgagaga tccccatcct    25140
ccacatatgc actagtgcag tggggatgtt gccaggcatg gccgccagac tctagatag    25200
aacactgaag gtgagtctgc agtaaagcca tggaatgtgc taattttagt ttaggaatac    25260
caaatttat tgaccgtttt taattcaata agcaaccctt ggccatgtat aatcagttca    25320
tgacccatca gaagatcctc tgtggttcac tcatggcctt tggactatac tctgaatcat    25380
ggctttagaa gacatttttt tagtatactt aaatggattt tataacttgg ttgatgccca    25440
gattacagac tgtgaggagt atctccacat aacttgtaac tgctatatat gcagtcagca    25500
attccagtat ttagcctgat attaattat atttttcctc ataatctgat aatacagtgc    25560
tagcaagata gatcacaaag tgtaaatgag tgtttctgga gcatagatgg gtacgctcaa    25620
atctttgtat cttgtttttt aatagagacg gggtttcgct atgttgctca ggctggtgtc    25680
gaactcctcg gctcaagcaa tccccttgcc tcagcctccc agagtgctgg gattatacat    25740
```

                                          10028

```
gggagccacc atgcctagct tccttgtatc attttttaaa attcaagtaa gagaaaatgt 25800
ctggcaatag ttcataagct ataaatgaaa cctagtctta ggacccagct ttatattgcc 25860
tcaatcaaat attaatatct ttagttcaaa atttgtattt acaaaaaact tttggttctt 25920
ggggataccg ttattgcctt ctctgttgcc atccatataa tgtatgttgt ttttttttttc 25980
tctctccctc tgggctgcgt ttcatgccag ataaacttcc aaaccaaact gggatggcac 26040
caggcacaaa taacactctt cttatctttt cccccatcta ggttacccct ttgctttgtt 26100
ttatcggcat tacctttttct acaaggagac ctacctcatc cacctcttcc ataccttttac 26160
aggcctctca attgcttatt ttaactttgg tgagtaaact aaattagcag tgacaccgca 26220
attagtggga acctggaagg aacagacttg aacaaaattt ccttgagaga atctaatagg 26280
tagggaagtt ataatgctcc cacttgcaaa gagggttgta tgaagaggaa cacagcttaa 26340
cttttccttt ttttcttttta tgtacattct tctgtcagat aaaaacattt tgagggtggt 26400
tacccttgcc atacctcatc aacaaagaat cctcagtttc tctgtgctgt ggatgtaact 26460
gaatgaccga gccaagcagt ccccacttag attcattctt cacttcagac attcaaaaat 26520
acagtaacaa gctgggtgtg gtagcccgga attcaaggct gcagtgagct atgattgagc 26580
tactgcactc aagtctggac aacagagcaa gtcgcatctc taaaaaaaca aacaaaaaaa 26640
gaaaagaaat aaaataacac cctaataatc ttttttattt taataaataa tttccatcct 26700
ctcctccaaa acatgaggtt attctgaaaa aaaagatcct gatgccaaca ttttttcttt 26760
atatattacg ttgtgattgg aagtctcagg acggtgggag tgtaaaaacc aggctaaatt 26820
ctctcttctt gcatccagga aaccagctct accactccct gctgtgtatt gtgcttcagt 26880
tcctcatcct tcgactaatg ggccgcacca tcactgccgt cctcactacc ttttgcttcc 26940
agatggtaaa cgtctttccc ttagcagctc aggctacagc tgacagcggt tcaggggaca 27000
ggggtaggca ggggactgtg gtatagaaat tagcagacct aatttctaac ccctctccca 27060
gcacttagca gtatgacttc aggtaggtgg cttatcacag gcccaagtgt tccatccaca 27120
gattgtaatg gtaactcttt gcctgcctca aggaagggcc accagctaac cctttgcata 27180
ctgtgccatt aggctctttg gtttaaccca ctatccagga gcagagtcac ttcaaggcaa 27240
gacagaaaag caacttagaa tgagttaaag aacctaagcc taggccaggc aaagtggctc 27300
acacctgtaa tcccagcacc ttgggaggcc aaggcagtca gattgcttga gcccaggagt 27360
ttgagactaa cccgggcaac atggtgaaac cccatctcta caaaaaaaat acaaaaatta 27420
gccctccagc ctgggcaaca tggtgaaaca aaaaaaatta aaattagccc gggtggggtg 27480
gcatgcacct gtggtcccag catctaaatt ctcatctcag tttagccctc attttgccaa 27540
gaagccttga gcaacgctct tcccattaca ggttttcagc acctccattt gtaggaattt 27600
attaaggctt ttaatgatgg gatgaggaga aaggaaaaag gaaagagaac attgaatttc 27660
agagcaagga gaagaaatag tagtgatgct agaataaata cttctgcctc tcctaggcct 27720
accttctggc tggatactat tacactgcca ccggcaacta cgatatcaag tggacaatgc 27780
cacattgtgt tctgactttg aagctgattg gtgagtgatg gtcactgcct gccttcctta 27840
catgtaggtc cctcccccat ctcactaaaa acttcctcgg cacccccct ccgcccccg 27900
ccatacactt ctggctgcac tcagtctaca ggccacatcc tcagtgtcct ctcccaccac 27960
cctacccatc cgttctctct ctgctcaggt ttggctgttg actactttga cggagggaaa 28020
gatcaggtaa gtacccattc atcggcagag aggttcaaga cttaatgaaa gggaagaaaa 28080
aagttgttaa caaaagactg aacccaaatt ccagagcgga gcctctccct cattccccag 28140
cctgtgcaat ctcccttttca gatagcactg agcaaggatc aacaaatcta atttgcccag 28200
gatccagctc ttgcacaaag tccagagatc aatgccagca aggcatttgc taaagcagca 28260
acagccagct atgcacacac atacgcattt ccacaagaag caactatttg tcatccccca 28320
aagagaaggc tatttgaaga accccagtca gtggggcaca caggtgggga acactcaaag 28380
tggctcttgt ggggagattc aaggctatcc tgaaccatgc attctcttct tggcatagaa 28440
ttccttgtcc tctgagcaac agaaatatgc catacgtggt gttccttccc tgctggaagt 28500
tgctggtttc tcctacttct atggggcctt cttggtaggg ccccagttct caatgaatca 28560
ctacatgaag ctggtgcagg gagagctgat tgacatacca ggaaagatac caaacaggta 28620
attgcccctc ttggtccaga tgtttgtgta ggtatttcac tcactctgaa gtgactcttc 28680
tgaaagctgc attctccagc atgaccctgg catagagacc tgagtcatgc aggccctgga 28740
ctgttgtaac aggcactctg tgccaggagt gggccctttt tagtttaggg ttcttccagt 28800
tatccattct aacactagta caaacataaa aatccacatt tatgccacag gatttttgcct 28860
gaaccagtca catttctgcc tttaaagcct attttcatgt atatatgaaa tatatttatg 28920
attgataggt aggtaggcag gttgataggt aggtaggtag atagaggctg ggcacagtgg 28980
tttcacctct ataatcccag cactttggga ggccgaggtg ggaggatcac ttgagcccgt 29040
gagttctaga ccagcctggc aacatagaga gactctgtct ctacaaaaaa atacaaaaat 29100
tatcagacat agtggcatgc atctgtagtc caagctacat aggaggctga agtgggagaa 29160
ttgcttgagt ccaggggagg tgggtcaagg ctgcagtgag ctttgatcac accactgcac 29220
tccattctgg gcaacatagc aaaatcctgt ctcaaaaata tttatcagta ggaaatgcag 29280
gagggcacag tggctcatgc ctgtaatgcc aacgctctgg gaggccaagg caggaggatc 29340
actggaggcc aggagttcaa gaccagcctg ggcaacatag tgagacccca tctctacaaa 29400
```

10029

```
aaaaaattat ccaggcaagg tggtacatgc ctatagtccc agctactcag gtggccaagg 29460
caaggggatc gcttgagccc aggagttcaa ggccacagcg agcaatgact atgcctctgt 29520
actctagccg gagtggcaga gcaaggccct gactctagaa aataaaaatt aaaatggtaa 29580
aaaaaaaaaa aaaaaaaaag tttaattgcc agaagaattc cttcactgag aacttgtcca 29640
tcctgtgttt cagcatcaat tcaaccaaga aatgaaggag cagattcaaa gtggttattt 29700
ttattatctt acctccactg ggtttttcagt cccaatggag attgtgagac ctggcaagac 29760
cttgagatca gtagcatccc tgaggggtaa acacaagact ggtccactgt ctgctgccct 29820
gactttccta caactcttaa gaggtttgca gtccccattc ctcatagcca gccatagaaa 29880
tctttccctg aaacaggaaa cactttgggc agcagagctt ctcatcccat tccaggtaga 29940
caaccacacc cctaaacact cctctccata actgaaggtc agagggtgaa gggaatagtc 30000
tctgctctct gtgaccagga acttcactcg ttcctttcca gcatcattcc tgctctcaag 30060
cgcctgagtc tgggcctttt ctacctagtg ggctacacac tgctcagccc ccacatcaca 30120
gaagactatc tcctcactga agactatgac gtgagtgtct actaaagcag cagcagcatg 30180
actgcaccag agctagaaaa tggacaggca aggatcccta cagatagcag agaagtagga 30240
aatatcatct acaagtgcat gttggttttg ctctagatct gtgagttgtc aatgccagcc 30300
gtgctgggac atgttcatca gccagcactg aacaaccttc gcgggcacag ggctgtgcca 30360
ggtgcacatt tagcacccgt tgccttctct aggagccgct cctagcttgc cttatcacat 30420
ccacgtgacc cctcagagca cagcagcttc tgattctcca tcctattttc ttctcttgac 30480
tgatacattt gggcacttct agggaattca gaaaccaagg gaagggggga agtgctggct 30540
tttgctcctg cccagctgaa aggcttgaaa acagttcagt aattctgggc aggtttctct 30600
ccttaaatta aaatccaata tgggcccctc tgtacttaac attccaaatg ctcattccaa 30660
acactttgcc aacgaaggca aacagtagag aagttaaata cagtgctgcc cttgaggctc 30720
tccaagggaa aggcgaatga atattctcca ggccctctgc ttattcctct ctgcctattg 30780
tgaaggcaat caggccagac tattgagggc atctggcagc aggactcagg caggtatgaa 30840
gtagccagcc acaagtgtga aaaggaagag tgctgagaga aactgcctag tcatgtgata 30900
tccctaatgc actgtgcttt cttccctcaa gaaccacccc ttctggttcc gctgcatgta 30960
catgctgatc tggggcaagt ttgtgctgta caaatatgtc acctgttggc tggtcacagt 31020
aagtagaaaa gttgaaacaa ggtcctattt agacaagcca tgggggccag tatggggagt 31080
ggcaagagcc ctaactgagc tattccctct caggaaggag tatgcatttt gacgggcctg 31140
ggcttcaatg gctttgaaga aaagggcaag gcaaagtggg atgcctgtgc caacatgaag 31200
gtgtggctct ttgaaacaaa ccccgcttc actggcacca ttgcctcatt caacatcaac 31260
accaacgcct gggtggcccg gtgagctgct ggtggggagc ctggaccctg gttccttcct 31320
tccactgtct tcccagattg gagggcaggg gtgtaccatg tcacccctat gcgtctttcc 31380
catctgggca gaaccccctg tcgctcacac tgactttgac ccccacctat acccccctcc 31440
caaaaaaacc attactgtca tatttgaaaa aaaggcaaga tataaaagtg cgttaagacc 31500
tgggtgttac tccagctctg ccaatggact tatgtcctcc actgccctgt ttatcaacag 31560
ctttacttgt ttgtccccac cactagagtg tgggcagctt gagtagagtg tctggttcac 31620
cactgatctc agcatcagcc tcagtcactg ctgctgaacc aagtggctcg tgcgcacacg 31680
gtctccagct ccgccttggg tctgctttcc atctctaaaa gtaatcagtc agcactgcct 31740
cctgtaccct ctgggggcta cacgtgggaa cccaccagca ctccaatcca atcctcaggg 31800
tgaggaccca gaggcaggtg gcgggatgca aggaccagtc agtttgaggg tcgccccacc 31860
cacccttttc tccagctaca tcttcaaacg actcaagttc cttggaaata aagaactctc 31920
tcagggtctc tcgttgctat tcctggccct ctggcacggc ctgcactcag gatacctggt 31980
ctgcttccag atggaattcc tcattgttat tgtggaaaga caggtaggcc tccagggtgg 32040
gggtgaaggg gaatataagg gacaagatgc tgatgagctc ctcctccctc cccaggctgc 32100
caggctcatt caagagagcc ccaccctgag caagctggcc gccattactg tcctccagcc 32160
cttctactat ttggtgcaac agaccatcca ctggctcttc atgggttact ccatgactgc 32220
cttctgcctc ttcacgtggg acaaatggct taaggcaagt gaaggcctgc ttgtgagact 32280
gggagggact cactgcaacc tcaaaggttg caaaggacac tccaggcctg tctaccttag 32340
tggcctctct ctccacaggt gtataaatcc atctatttcc ttggccacat cttcttcctg 32400
agcctactat tcatattgcc ttatattcac aaagcaatgg tgccaaggaa agagaagtta 32460
aagaagatgg aataatccat ttccctggta agttaataca gctaaactaa aactaccacc 32520
aggttacaga atagagcaac agactggaaa aaaacaatag tattagaaat ctggggtgaa 32580
ttccaaggat tagcctggct actaaggaac acagtatggg caatgactac tgtgacttat 32640
tgaggcatgc taggaaacat ctggaagggc tatagaccag gaattacagg agtaactaac 32700
cagccttcca aactcctctt gtcttgcagg tggcctgtgc gggactggtg cagaaactac 32760
tcgtctccct tttcacagca ctcctttgcc ccagagcaga gaatggaaaa gccagggagg 32820
tggaagatcg atgcttccag ctgtgcctct gctgccagcc aagtcttcat ttggggccaa 32880
aggggaaact ttttttttgga gaaggcgtct tgctttgtca cccacgctgg aatgcagtgg 32940
cgggatctca gctcaccgca acctccacct cctgggttca agtgattttc ctgcctcagc 33000
ctcccaagta gctgggaata caggcacgcc accatgccca gctaattttt gtattttcag 33060
```

```
tagaaacggg atttcaccac gttggccagg ctggtctcga actcctgacc gcaagtgatc  33120
cacccgcctc cgcctcccaa agtgctggga ttacaggcgt gagccaccgt gcccggccca  33180
aaggggaaac tcttgtggga ggagcagagg ggctcacatc tcccctctga ttcccccatg  33240
cacattgcct tatctctccc catctagcca ggaatctatt gtgttttct tctgccaatt  33300
tactatgatt gtgtatgtgc cgctaccacc accccccca tggggggtg gagagggtg  33360
caaggccctg cctgctccac tttttctacc ttggaactgt attagataaa atcacttctg  33420
tttgttcagt ttttcaccac tagcattcct gactgctctc tttcacagtt cttctccatc  33480
atcagggttc tctcctttag cacatgggaa tctgggagct aaagcctgcc ttcaaagcat  33540
ggaaccaaac tgcaaactct gtaacctcct atctgtccct gaagtcccgg ggaacaaaca  33600
gttttacacc actggatact ttaggaaccc caaaacaacc aggtttgcaa gaacagtatt  33660
cataggataa acaaatagca aatgtacagc cttggcttcc ccaaactcca cagtctcagt  33720
gcagaaagat catcttccag cagtcagctc agaccagggt caaaggatgt gacatcaaca  33780
gtttctggtt tcagaacagg ttctactact gtcaaatgac cccccatact tcctcaaagg  33840
ctgtggtaag ttttgcacag gtgagggcag cagaaagggg gtagttactg atggacacca  33900
tcttctctgt atactccaca ctgacctaag aaaagaacag ttttgtcagc caactctgtc  33960
actcagtagc tgtttcagcc cttctttagg gcaggaaaac tatggctgag ctagtatttc  34020
agctgtgctg ttgaatatca aatccctaca aaggatgaag aaggtcctaa ctgtgacttc  34080
caattatggc agcagccctc aaaggatgtg ccctggggca gggtgtggaa ctgtcatgtg  34140
tcttctagct cattgtaagc attgttaaaa tgcctactgc tctgggaatt ctatactaag  34200
ttcagctcta ccaagaattt cagggttgag cccagacctt accttgccat gggcaaaggc  34260
ccctaccaca aaaacaatag gatcactgct gggcaccagc tcacgcacat cactgacaac  34320
cgggatggaa aaagaagtgc caactttcat acatccaact ggaaagtgat ctgatactgg  34380
attcttaatt acctaaagta aaaagagag aaaagtcagc cccagaaaca ttcccagaac  34440
cagccttcaa ctaacaggtt tcaatacctc accttcaaaa gcttctgggg gccatcagct  34500
gctcgaacac tgagcttgtg taaaagttga actagaaggg ggaaaaaaga gttcagagct  34560
agatggagac cacagtcctt ctgtccagtc atcgaacaag gaaaaccca tggataagat  34620
gagttccctg tgtgctttat atctagactg gactcctgaa atgttaggaa caaacagttg  34680
ccaagcatat ggctagctgt acagtgatgg gttcagactc cctctttcac tcagccagga  34740
agctactgca agaacaggag tggagtttcc acaaacatag aaaaataata acagtccttg  34800
tcctggtatt aatcatgttg ttctcccatt ttctcgctta aaaatccaca tttagttctc  34860
cctttcctc ttcctccctt cttccctact gacaagttca ttctaacttt gttctaaggc  34920
ttcttaccca tgaggccaca aaagcggtca aaggttctgg gaattcgggt ctggggattc  34980
acttcaatca gaacattctt ctgtgtatgg atataaacct gtagcaagcc agctcggttc  35040
aggggactat ccatcagcat cagcaaactc tgagcaaagc agaaaccgag acatggttaa  35100
ggctgaagag aggcagcact cagctgccaa cccttccata cagaggctca aagggttgtg  35160
agcactgtcc ctggagttac ctggtgggtg atatctggcc gcgcttcccc agggtcccgt  35220
ccattcttca acaatataga cttgtgcttg tcacagttga gtagctcata tgtcttccct  35280
acctgaagaa cagggaacat gacgagagaa cagcataagc ttctgttacc tagccccgtg  35340
gttcttcaag tgtggtcccc aaactaccag cagcagctgc acctggaaac ttgttaggca  35400
aattctcagg cccaccctag acctactaaa ccaggaacac tgggggtgga gcccagcaag  35460
cccttcgggg gattactgtg cagccttatt tgcactcccc agtgaatggt ctgagaggga  35520
aacaggagga agggcacaac ctgtgacttc acattatcta ctaatacact ggatttaatt  35580
aaaaaacctg tggctgttag gcaaggccaa tgagacatcc tggaactagg caggagttag  35640
tagttagcaa ggctgaatgc tgtgtttatt acaggagcag taagtaggta ctgtgcaaaa  35700
tatcgagtca ccaccctcag tttgcgtaca ccaaacatgc actaagtgaa gagctgcaaa  35760
tctgaacaag aaatgtgaag gccgggcgtg gtggctcacg cctgtaatcc cagcactttg  35820
ggaggccgag gcgggcagat cacaaggtca ggagattgag accatcgtgg ctaacacggt  35880
gaaaccccat ctctactaaa aatataaaaa attagccggg catggtggca ggcgcctgta  35940
gtcccagcta cttgggaggc agaggcagga gaatggcatg aacccaggag gcggagcttg  36000
cagcgccact gcactccagc ccgggcaaca gagcgagact ccatctcaaa aaaaagaaat  36060
gtgaaaacta atgatgcagg aggcagttta atcaaagaaa actctcagaa gtaaaaggaa  36120
gaggggttat tcccagtttt aagacgggca tggggcaga tgcagtggct cacggctgta  36180
atcccagcac tctgggaggc caaggcaggc aaatcactta aggtcaggag ttcaagacca  36240
gcctgggcaa catggcgaaa ccccatctct actaaaaata caaaaattag ctgggcatgg  36300
tggcacatgc ctgtagtcct agctacttgg gaggctaagg tgggaggatg gcttgagccc  36360
aggagacaga gattgcagtg agccaagact gtaccactgc actccagcaa gaccctgtct  36420
caaaaaaaag aaaaagaaa gactggcatg agcaaaggta cagatggaat caagacaaag  36480
tagccaggtg tggtggctta tgcctgtgat cccaacactt taggaggccg aggtggaagg  36540
atcacttgag cccaggaatt tgagaccggc ctgggcaaca cggtgggacc ctgtctcaca  36600
aaaaaaaaa aaaaaattag ccaggcgcag tgccatttgc tggcagtccc agttactcag  36660
gaggatgagg tgggaggact gcttgagcca gggaagtaga ggctgcagtg aaccatcaca  36720
```

10031

```
ccactgcact ctgttgccca ggcaacagag caagaccta tctcaaaaaa gaaacaaaaa    36780
agaaaaagtg gaaacgaaga aaggaaattt tgaggaaaat tgggagctga gacactaaag    36840
ggcagtgatt atatatgaag ctgctttgta aaccacagaa tcctaatgta tcaagcacaa    36900
agccaaaaat aattctggag taagcagggc aggatgggaa tgactgacag acactatcct    36960
aacaactctc tgtacactgg aaaagacatc agaagtttga tgttaaagaa gtggactaca    37020
tctgtagcag ctaaaagaaa taattccaag ttgcaatttg gagtcccaag gagcattagg    37080
gtggtcagta aaaagtctaa aaacaaactg ttatatacaa atacaagttt tggaaggtta    37140
agtttttatg tatcactgga atgtatatgt ctagcaacat tcttgagata tatggctcca    37200
aaaagtctgc gaaaaaggg atgtagattt tgaaattgaa tagttgaagt aatgtcacag    37260
agagcacaaa gaacaaatga ccaagaacta agtccatgag acacccttag ttatagaaga    37320
aaaaaacctt cttgaatgaa taatacagtt tcaacccatt agtaggatat aatcatgttt    37380
tctattcttt taatagatta caggcgcagg cctgtaatcc cagctactct ggaggctgag    37440
gcaggagaat cgattgaacc cgggaggcgg aggctgcagt gagccaagat cgtgccactg    37500
cactccagcc tggtagagac tgagactcca tctcaaaaaa aaaaaaaaaa aaagtgtat    37560
ttagaacgaa gattaaaatc ctggcctgac ttctaaacca atgcgatttc ttctgggcct    37620
attcaattag ttctaacggg taagagaaag gaggaggaag aacactgccc aaggctttaa    37680
gatagagaac tgctggttct attacatgtg gggaaagaga tgaatgatag ataaaaatgc    37740
agatgtaaaa gttttaaata ataaccaggt ctggacagtg tatcataggt ggatattaga    37800
gagaggtgac tatggatact aatgaattga aacacgaagc ccttacaaaa agtgtgggca    37860
gactaggcta cataactacg tttctcatct gcccagtaac ttgtcttggg atgtggaatg    37920
acgcaaggaa cgaaactttc ctctgcttag actactatac cacagaatcc tggtaaacca    37980
attggaagca aggaggtgag ggctagaata tcattcaaaa agagcaaaag aaaatgagta    38040
ctaccggccg ggcacagtgg ctcacgcctc taatcccaac actttgggag gccgaggcgg    38100
gcggatcact tgaggtcagg agttcgagac cagcgtggcc aacatggtga acccccatct    38160
gaactaaaaa tacaaaaaaa ttagccgggc gtggtggcac ctgcctgtag tcccagctac    38220
tccagaggct gagtcaggag aactgtttga aggcgggagg cagaagttgc agtgagccga    38280
ggtcgcgcaa ctgcactcca gcctgggcga cagagcgaga ctccgtctca aaaaaaaaa    38340
aaaaaagaaa gaaaaatgag tactaccatc ccaggatgtc aaatcaacgc aaagccaacc    38400
aagccacctt ccttcaaaag catctttcac ccctctctgc tttctacatc cactctgggc    38460
cccttaccct cattccacgg agtcccaacc tatcgattta ctacttctcc acttcctgtc    38520
ccaaactacc ttgactgtct ccagactggc cccttccagc accacaataa gcctacggcc    38580
tccgatcttg tttcctgccc ctagtcgggg ccgcttgggt ggcagagcat cccagtcctg    38640
tgcctgctcc ccaccgcttc gttcacgagg cttgaatcca tcactgggcg cggccatctt    38700
gcaacaatac cggaagttgc gctaacgctc ttaaataaga acagcgcggc ttctaatcac    38760
aaatttcctt c                                                         38771


<210> 11499
<211> 6335
<212> DNA
<213> Homo sapiens

<400> 11499
gcacagcagc atgggggaag ccacccagca gtggcagcgg gtggggagat caccctgcag      60
agccgccggt ggcatttgga agagctggcg cacctgttgc tgcctcagcc ctgtgcaaac     120
caggtaagcc tagcatcctg cttgccctga tctggcaatt tggaaatgac tcaaagtatt     180
gaattttaaa gattagagtt ttaggatact ttcctcatta tatttacact ttaactacaa     240
accaagagtc ttggccaagc acagtgcctc acacctataa tcccagcact ttgggagtcc     300
agggcaggag gatcgcttga gcgcaggagt ttgagaccag cctaggcagc atagtgagac     360
cttgtcacta caaaaaaaaa ttgaaaaatt agccaggcat ggtggcacat gcctgtaatc     420
ccagctattc gggaggctat ggtgggagaa ttgcttgagc ccgggaggtt aagactgccc     480
tgagccatga ctgtaccact catgagcctg agcaatagag caagacccca tctctttaaa     540
aaggaaaaaa aaaagccaa gattataaaa tatttgccat gcctgataca tgaacacaaa     600
ggagctttta agagatgtcc ataccctcct tttataataa tacaaataaa tgcaaaagtc     660
aaagcaaccc cgcatattat gtttgattct cctggtaata cccacactac ttcagcagta     720
ttcttgtacc tgccacatta agtaatttaa acctgctatt tcactgagca agatagataa     780
aacatgtcat ctccttgaga ttagtttttg aaaatatgta ttacctcaca gcagcctaac     840
gcatcttgcc gtattgccct gctttcatct tgtcaacaga attccactgg gtggaatttg     900
ccatgtttgt tttaaagttg tttatgccta aacaacttga aaaaattta aaaggtaca     960
ttttcctccc attttctgaa agtgtagcaa atatgcaggt aataagtatc cttataaatg    1020
tccagattat gtataccaag tggaattctt atatgggtgt tttgcaatgt gatatttgta    1080
```

10032

```
atattaacat gagtataaga ttactgattt aaatctgata ttaaaattaa ttgtggctgg    1140
gcatggtagc tcacgcctgt aatctcagca ctttgggagg ccaaggtggg tggaccacct    1200
gaggtcagga gttcgaaacc agcctggcca acaaggtgaa accccatctc tactaaaaat    1260
acaaaaatta gctggacata gtgatgagcg cctctaatcc cagctactca ggaggctgag    1320
gcaggagaat cgcttgaacc cgggaggcag aggttgcagt gagccaagat caggccactg    1380
cactgtagcc tgggagacag agactccatc tcaaaaaaaa aaaaaaaaat tcgttgttca    1440
cataactgca gaagcttcat cttttctttg gacattatta gatgtcctag atcttaaaat    1500
gcaactttat tggttttgta ctttgtggtt tttttggtt tttttgttt tttgttttgc    1560
taatactcga tagtatgttc catatagcca ccactctgct caaagtattc catttatatt    1620
acttttttt acaaacctaa aggataaggg aacttgtgag tatttagatt catgcgccat    1680
tttgagcatt ctattttgag aatttgtcct tggaggcaca gttatgtgcc tattccatat    1740
gtttatcagc cttgtatctt cattgaagac ccagctaact gtgctcttac ctagtctttg    1800
cccttcttca tattcttcca agaagtgaaa atttgggta attttgatac cgaaaatcac    1860
tttgtatttt aagataggag gaaaaaacaa tatctgaagt ggaaactcga tagtcacttt    1920
gtagctccat ctgcctaagg cctccatcct gctagtctgt aagcatctcc tgcgggcttg    1980
ttagaaatgc agcctgtcgg gcccaacctc aggcctgcca gacttcacat gatccagctg    2040
actgtcacga gtggacaggt ttgagaagct ctggtctgtg tgacttaatg ctcataggtt    2100
tggatcaagc agtgattaag aatcagacag agatgctcat ttcagcagca catgtactaa    2160
aattggaaca atacagagaa gattcgcgtg gttcctatgc aaggatgaga tacagattta    2220
tgaagcatcc catatacaaa ttttcctgcc acttgtgatg gctcatgact gtaatcccaa    2280
cactttggga tgccgaggca ggaggactac ttgagcccaa gagtttgaga ccagcctggg    2340
caacatagtg agaccccatc tctattaaaa agaaaaaaaa aattagctgg atgtggtggc    2400
acatgcctgt agtcctagct acttgagagg ctgaggcagg aggatcactt gagcccagga    2460
gtttgaggtt gcagtgagct gtgattgcac tactataatc cgggcaacag agcaagaccc    2520
tgtttcaaaa aaaagaaaaa aacctacaaa ttttaaaaac cacacaggac aatgaaatgt    2580
tttaggaatc tacatttctg tagccttttc ataccatgta gagattgcca ccttccctgg    2640
tggccccagg atttgttctt agcatgttta tgtttcagaa tgatgtgtag ttggttaagg    2700
aagtttagaa cagcacagag tacaaatagc tgatgtttga aggaaaaatt atatacatat    2760
acatgtttat ttacatatgt agcaagagaa attcaattct gagatctggg agaaatgaag    2820
gcataaaaag gtagattaca atgcatcatt tgtcccacga cccctaaatt atatgttaca    2880
gtggaagcat tgtctgcgtt agggacatga atttgataag ttcatgtttg ctctgtttct    2940
agcttcaaaa tctatgcaag aaggctgggg cagtggtggg gatgaaatga acctcagtac    3000
cagccagtgg gaggatgaag aaggggacgt gtggaataat gctgcttccc aagaaagcac    3060
ctcctcctgc agctcctggg ggaacgcccc caaaaaagga cttcaaaagg taagtacaac    3120
actcttaacg acggtacacc ctgaaaacca aaggtacttc agacacattc agtatccagt    3180
taatcagaca aaaagataga cctgaggttc tcaaagtagt cttaggaccc ttggaggtcc    3240
cagagaccct ttcaggggag taagcaaggt cacaactatt atcatgccag tactaagact    3300
gtcttttca tttgaagtct ctctccggta tagggtagag gtgtccagag aactttattg    3360
tagcagagaa tgtgcagaaa caggcatgaa aatccagcca tttctcttaa gccagacata    3420
gagatttgcc aaaaggcaaa acagtgccac ccttctcatg aaaaattaat tactttttat    3480
tttaaaatgt taggttaatg tgtagtgact attatttta agcaaaatta tatttttaaa    3540
ttttctcagt tttaatttct aatacagtaa atagcaatag acacaactca tgtcaacaga    3600
agttctttgg gatcttcagt ctctaagaga gtattatagg gtcctgagac caaaaagttt    3660
gagacagatg gttaagaagt cttaaaacag atgggcaggc agggcacagt ggctcacacc    3720
tgtaatcccg gcactttggg aggccaaagt gggtggatca cttgaggtca ggagttcaag    3780
tccagcctgg ccaacatggt gaaaccccat ctctactaaa aatacaaaaa ctagctgggc    3840
gtggtggtgg gtgcctgtaa tcccagctac tcgggaggct gaggcaagag aattgcttaa    3900
acctgggagg cggaggttgc agttgcagtg agccaagatc gcctcactgc actccagcct    3960
gggcgacaga gcgagactcc ctctcaaaaa aaaagacaca aatgtgcggt catctagaaa    4020
acactgagat acacatctca tatatacatg agctacatga gacgtgtatc tcattttttt    4080
ctagatgact gcccaattca gtccacattc agcatgactg aatttcaagt aggtcacaaa    4140
cttaaatatt aaaaatatga aaacatgaaa gaacattaaa aacaattttg gactcagaga    4200
ggcctaacta tgaccaaaat ctaaaagcca taaataaaa ttttttgtgt tcaatagata    4260
aatgtaaaaa ctgtacatga cagaaaatac cataatcaaa gtcaaaagaa aaatagcaaa    4320
ctggaaaaat atgtttataa ctcatatcat agagagggcc aatcccctga tacataaagt    4380
cctagaaact gatttaaaaa aaaaatcagc cagaaaccca gtagaaaaag gagcacagaa    4440
tgtgaagagt agctggtcca cagagaagga gcaccagtgg ctcctagaca cggactcaca    4500
ggaaggcagt gcagttccag acagcactca gagacacctg ccatttttca tctctcagac    4560
ccacagaaag ccagcgtttt gattttttta tttaaaaaaa ttttttaga gacagagtct    4620
tgctgtgtca ccttaggggc tggagtacaa ccttgaactc ctgggctcga attgtcctcc    4680
tgcctcagcc tcctgagtag ctgggtctac aggtgcatgc cactctgccc aactaatttt    4740
```

10033

```
atttttttatt ttttctgtag agacagagtc tcactttgtg gcatttatac agttttgtat   4800
tgcagcattt ttgtagtaaa aagataacaa taatttatgt gtacattgat ggagtaacaa   4860
gttaattatg tcacttctac attatacaga actaaaagga aattctatct atgtattgat   4920
atgaaaagat cactaaagta cattgttaaa ttaaaagcaa ggtgcagaaa aacatgtaca   4980
gcacacaccc tattttgtgg ggtaggagga agaaaacgtg tgtgtgtgta tgtgagtgtg   5040
tgtatgcatg catgcacacg tagtgtatca gcttctacag aatgttctaa attctctgga   5100
agggcaaata agaaactgct atgagtagtg cctcttcgag agaacaggaa ctaagcaaat   5160
ggggtggcat gagatgaaaa ctttctttat accttgttta tactttgaa tcgtgtgaat   5220
gtattcatgt tcaaaaaaat atagtttata aaagcattca gttaataatc agcagaaacc   5280
agaaactaaa atcagagctc tccgctcatg aggagtagaa gtgattacag acatcaaaaa   5340
gaatcctttt tacagttggg ctggcaaata atccagttaa tgatgggacc aaaaatagca   5400
aattggtaaa ttaaaatctt gactaatctg gctctggcag catagtaatg attgaaatag   5460
ccccaaaata agctagttcc ttgaggaaag aaagcctgtt tatagagctc catatgctcc   5520
atgatatagc tgtggcaggc tcaattgtga aaaacactat gaagaatatt tttggaaggg   5580
aatttttttc atattgtaat aatgcatcat tagaaccttt gcatttatag gctcagaggg   5640
aagttattga gaagcctcct ggctcttctg tggtgccgag ccctccccca cccccactgc   5700
tctttctgta gctgaccttt ttcctcatcc tctccttcac tgacattttc ctccttattc   5760
cttttctcta ccctatgagc tataagtaac aaatagttaa taaaattaac aggttgtttc   5820
atcctttctt cttgctgcct ctttactcat tggaataaac cccctcattt tatcattttt   5880
cagaataaag cttagaaaag gcaaaaagtg taatttttag taaacttcac atagggctgt   5940
gttcaaggga gcgcttagga ttattggata gtaaaagtag tctatatttg tgataaacta   6000
aattaattat ctgggaaaga gaaataatta tcttgcttta agttcataaa ttgcacatat   6060
ataccaacct gcaaatgtac cttgatgctt tccgtagcag tagccacgaa atactgttag   6120
ggagtttctg gaatacagca ttattcaatg ttaatacaaa aagatcctgt gactttaaa   6180
tgaccctgaa tttaggctgt ctcccatttc tggtagaaat gcattaaaat gtagctcatg   6240
gacttccccc tttcccacac tttgttcaag ggcatgaaga cgtctggcaa gcaggatgag   6300
gcctggatca tgagccggct gatcaaacaa ctcac                              6335


<210> 11500
<211> 5775
<212> DNA
<213> Homo sapiens

<400> 11500
cgggtccgta gtgggctaag ggggagggtt tcaaagggag cgcacttccg ctgccctttc   60
tttcgccagc cttacgggcc cgaaccctcg tgtgaagggt gcagtaccta agccggagcg   120
gggtagaggc gggccggcac ccccttctga cctccagtgc cgccggcctc aagatcagac   180
atggcccaga acttgaagga cttggcggga cggctgcccg ccgggccccg gggcatgggc   240
acggccctga agctgttgct gggggccggc gccgtggcct acggtgtgcg cgaatctgtg   300
ttcaccggtg agcaacctcc gcctgctcgc cggacgcttc cagtccctcc cccaaacccc   360
ttgccctgtc cccgcgcccc tccacgggcc tagcatttcc tctgagcagc ggcctggcct   420
gatcaccacc catctcccca cagtggaagg cgggcacaga gccatcttct tcaatcggat   480
cggtggagtg cagcaggaca ctatcctggc cgagggcctt cacttcaggt aatggcgggc   540
agagcctgct gaccctgacc tttcaccctt gacgccgacc cagcagtggc tatagtcgga   600
cgtgcaacag gattcaacgc tgctcttttc ccaccctcct catccctgcc cctaggatag   660
tgggtgctgc gagaacctcc agcagcatac aaactgttgt tttccagagg gacaagagaa   720
tctctccttg tctgtggtcg tggagaggag caggccaaaa aacgcgtggt gaggggaaac   780
cgggcaaggc tagtgaaact gcggcctttt cttttttttt ttttggagag ggagtcttgc   840
tctgtcgccc aggctggagt gcagtggcgc gatctcggct cactgcaacc tccgcctcct   900
gatttcaagc gattctcctg cctcagcctc acgagtagct gggattacag cgcccgcca   960
ccacgcccgg ctaattttg tatttagta gagacggggt ttcactatgt agatcaagct   1020
ggtctcgaac tcctgacctc aaatgatccg cccgcctcgg cctcccaaag tgctgggatt   1080
acaggcgtga gccaccgcgc ccggccgaaa ctgtggcctc ttaataccta tccctgtcct   1140
ctccaggatc ccttggttcc agtaccccat tatctatgac attcgggcca gacctcgaaa   1200
aatctcctcc cctacaggct ccaaaggtag gtctgagcac ttggtaatca catggcaggt   1260
gggatgatca aggtagctgg caagaaaccc caggggaata tggtagtgtc aggcctttag   1320
gcctcttttcc acatctgcaa gagctgtaac aaaaatacct gcctcctggg gtcaaagcag   1380
caaattctga acacactgtg tttgcgtgct ttttactgtc tcctccctga cgtgtattca   1440
ataagagtat tgtttgtccc tcgtcttgtt cactgcctag atcaaagctt tgttttaaag   1500
cctttttttt ctaactgctt gacttactat atctacagtt acatccacta gtacactctg   1560
```

```
ttctggagaa gtttgtccct aagcttgact agttcacctg ttctctcctt ctagaccata   1620
cataaaagcc gtgcctttga gttccccaga cctcttcctc ctccccaccc acgcacacat   1680
atacaccctg ggtcaggtag ctcacctgta acctgtaatg tacttctttg tgctatacct   1740
agtgcaggtc gcttattcat ttactagact gggccctggg aataaaagat tcattaaaca   1800
caattcttgt cccccaagtc cttacaggag acatgattac ggtacagcac gaaagcgccc   1860
acgttagagg ttgcacagag tacagagggg gaaagagtag tcagctctgc tggtgacggg   1920
gtttgcagtt caaggcttca cagtgggtga gggtgcattt cagctgtgct cgtcttgtc    1980
ttccttgtca gcctgattaa ctctcctccc cccagggtag tgccaggctg tacaccattg   2040
cacagggcat acagggagga acatgaagga gaaaatgctt gggaaagggt gtttggcctt   2100
gaccagccac tgctgacctc aatctcagac ctacagatgg tgaatatctc cctgcgagtg   2160
ttgtctcgac ccaatgctca ggagcttcct agcatgtacc agcgcctagg ctggactac    2220
gaggaacgag tgttgccgtc cattgtcaac gaggtgctca agagtgtggt ggccaagttc   2280
aatgcctcac agctgatcac ccagcgggcc caggtctgac tcccaccacc atctgcgtgg   2340
tgtcagcctt tccttcctag gcccagagta ttgggaatta ggaaaggcag cttattagaa   2400
aagcattgtc accctagtgc catttccacc taaaagctgt gctaattgcc actgtgaaat   2460
aaggagagcc agcattagaa ctcgatagca ctcggtgtta ggaagcacag aggaaaatgg   2520
ccaagtcttg gcttttcctg cacctcttcg agcagagagg cttatgttac aggtttgcct   2580
gacaggaagc taaggcagtg catgttgtat tgagagtgaa gggttagggg tcgcaacctt   2640
cctttcagct ccccagtccc ctcaaaccac ccctcccttc ccctcttcac ccctgccctc   2700
aggtatccct gttgatccgc cgggagctga cagagagggc caaggacttc agcctcatcc   2760
tggatgatgt ggccatcaca gagctgagct ttagccgaga gtacacagct gctgtagaag   2820
ccaaacaagt gggtgagtcg caagagccgt ggggtgaggg cttctgagat gcaggaggag   2880
gaaagactcc atgggtgggg ctcctgaccc aggacagggt ctccctgact ctctcccacc   2940
acagcccagc aggaggccca gcgggcccaa ttcttggtag aaaaagcaaa gcaggaacag   3000
cggcagaaaa ttgtgcaggc cgagggtgag gccgaggctg ccaagatgat atccttctgc   3060
tggagagatc tcagcccagc ccctagggca cctgagttcc ccattctcct tcatgggcag   3120
gctgatgaga ctaaggcgaa tgcgactccg tgctctctgg cccttggctc cttgttgggg   3180
gtggggacta cagatgagat ctgaaatctt agtggtagta cctgagccat gactccccac   3240
tgtaaggcca gatcaatagc attggtggcc ttgccttcat ttctggtgct gcccctagtt   3300
cctggcagca gcctgcaggg aggcccacag gtggggtcca cggtagggct gggcacaagc   3360
cacctgagcg caaccttgga tctgacagcc cagaggagga ctggagcaag ggagtgtggt   3420
aaggacaggg ccagggattg agacctgccc ttgcgtgtac cttaaccctc ctcaccttgg   3480
agaagcactg agcaagaacc ctggctacat caaacttcgc aagattcgag cagcccagaa   3540
tatctccaag acggtgagtg tgtcagccca gcgtctctga tggggctgcc ttgagaaagt   3600
gctttcagtt aaggcacatt gaggtgaggg aattcgaacc ttgcttgttc cggtttctac   3660
tcagattggc ttctctggcc ggcgcggtgg ctcacgcatg taatccccgc actttgggag   3720
gccaaggtgg gtggatcacc tgaggtcagg agttcgagac cagcctggcc aacatggtga   3780
aacccccatct ctactaaaaa tacaaaagat aatgagcccg ctgtggtggc gtttagctat   3840
attcccagct acgcaggagg ctgaggcagg agaatcactt gaacccagga ggcggaagtt   3900
gcagtgagct gagatcatgc cactgcactc cagcctgagc aacagagcaa gactccgtct   3960
caaaaataaa taaataaaaa attggcttct ccgatactcc tcctgtcaag aatgattcct   4020
ctgggttccc tgaccttttg ttctaatcat agctgctgct cagcgctctg atccctaag    4080
tgcgagcaga aaccatgtgt tactcattgc tgcacccctg ccctaatctg catgtgttcc   4140
atgttaagta gctgctgaat tgcaggggtc ggaattgagg tctttgctta atgcaagcat   4200
ctgtcttatt tcctgccctg tagatcgcca catcacagaa tcgtatctat ctcacagctg   4260
acaaccttgt gctgaaccta caggatgaaa gtttcaccag gtgagagatg tggccacact   4320
gtggggtatc accaagaacg tgggacctga gtctggttgt ttgggctctg gagcctgcta   4380
cagctattca tatggctcag agacattgaa ccaaaattag aaaagggggt ggttgacagt   4440
ttctatcttg catctcatag gattgatttt atgagatcaa ataggattat tcacataaaa   4500
agcactttaa ttataaagtt ttcatctaac caaaaagtga tgaaagatga tactcagttt   4560
tcttactcaa gagccctcaa actcctctgg tgaatggagg gatgttagga aaggagatga   4620
gaaatagcag tggccatgag aacatgcctc ctcctttcat gagcctgaga ttcctggctg   4680
tcaaccctgt ttatcttttc tcttgggagc aaaggagggt tcaaagctga gtggggcctg   4740
aagctgtcaa ttaacatgtg catttctctt ctctgtttct tgttcatctg gcgatctggc   4800
accacagggg aaggtaagct gttgttgctt ctgtgggtc ctgcaggcca ccttctccag    4860
tacccgcctc ctaccctacc cccttttccca cctccccgaa gacaaaccct caatcagggt   4920
aggagggtcg tagagggaat ggcctagagt gtcctgcctc tcacatttat gtccctaat    4980
aatgtcatta tctatctttt ttttcctaca gtgacagcct catcaagggt aagaaatgag   5040
cctagtcacc aagaactcca cccccagagg aagtggatct gcttctccag ttttttgagga   5100
gccagccagg ggtccagcac agccctaccc cgccccagta tcatgcgatg gtcccccaca   5160
ccggttccct gaacccctct tggattaagg aagactgaag actagccct tttctgggga    5220
```

```
attactttcc tcctccctgt gttaactggg gctgttgggg acagtgcgtg atttctcagt    5280
gatttcctac agtgttgttc cctccctcaa ggctgggagg agataaacac caacccagga   ·5340
attctcaata aatttttatt acttaacctg aagtcaaggc ttcacgtgtt catgaactgg    5400
gtaactggca gcaagcatgc gcacgttcac atgtgcgctc ctgggtctgt ctttgtgtgt    5460
gccagcaggg ggcgcaaaag aatctggctg gggcggctaa ggggaagcaa ggcctgggct    5520
ccgaaacagg acccaagctg ggaaggctgg ccctgagttc tcgaggccca gctgtgctct    5580
tcacacaccc tccatttctc ccacatcacc cattttttta aggctggaca gccatggctt    5640
tgctgagcca gattaaaaat ctgatgaccc caacaggagc tgcttccttg gcagcagggt    5700
tccttgtggc tgtggggagc ctgcctgtgc ctgttgaggc acttctgtgc ccagaagccc    5760
agtggatcgc gtggc                                                     5775
```

<210> 11501
<211> 738
<212> DNA
<213> Homo sapiens

<400> 11501

```
ctggagcccg gggtcctccg ctcaactcag gacgttgagg ctgcattgag ccaagatcat     60
acctctacac tccagcatgg gcaaaagagc aagattctgt ctcaaaaata aataaataaa    120
ttttgttttt aattagccag gcatgatggc atgcacctgt agtcccagct attcaggaga    180
ccaaggtggg aggatcattt gagcccagga atttgagact gcagtgaact atgatgatgc    240
cactgcattc caacctagat gacagaagga gacctcatct ctaaaaataa atatatatat    300
tttttccaac cactttttat ctataccccca atgtcttaca ttccataaaa catcatgttt    360
tgaattccag tataacttta tcgttaaaca tgtttctttg cagaagcatg tataagttag    420
ggtccacaag attatttgca taagctaatt tacaaaaaaa attatataat cactgacatg    480
aaagcatgtc tgggcagcca tgggagctca tatgaggcgt ccagttcagt cgccttttaa    540
aaatgatatt tgcattagct gggcatggta gcatgtgtct gtagtcccag ctactcaggg    600
gactgaagtg agaggatgca ccagagcccc agaagtcaag gctgcagtga gccatgatca    660
catcactgca ccagcctggg caacaggagt gaggccttgt ctcagtcagt caatcaatca    720
atcaataatg gtatttgg                                                   738
```

<210> 11502
<211> 325
<212> DNA
<213> Homo sapiens

<400> 11502

```
gaaatgtatt tccagttcca aaacctaata actatgtctt taagttgata gtgattaaat     60
tgtttgtaac ctttcctttt gttaattaat gtgcactaat gaaaactctg ttttcctaca    120
cagagagagc cagctgagga ggccttgaag agtaacaata tgaatcttga tcaggccatg    180
agtaagtcat acaacatcct ttttaaaaag gtacccagct gtgaagtttt actttccaga    240
agcatttgat tgtagtcatg gtttaatggt taatatgtcc tgggtagaca ggaccaggcc    300
acagtgaagg ggcaaccaca caaca                                           325
```

<210> 11503
<211> 1562
<212> DNA
<213> Homo sapiens

<400> 11503

```
ggagagctcc cgcttcctgt ttatatttca caagcgtcaa actctttagc aagtgtgaga     60
aatgcctcct tttctaactg ctaactggca tgacctcact tcggggctca gagatccctc    120
cctgccagaa tgtactttg ctggccaaag gcggggaccg gggtccgccc tggaaacgcg    180
ctttcaatct tgggcgacct gcttcattgt gtgattttaa taaggatgaa gggctgtcac    240
ggctgcgtca aaaccacggt tccagcagga aataagcact gggagaggac aggacacgta    300
ccccttccg ccgacacccc cacccgatg gcaggaggga gcccaaacct tgcagcttcc    360
atggctcatg gctcatgaca atatcattct taaaattctt tgagtttatc aatacgtttt    420
gcccttacct gccctacaac tgtaaataac aaaatgtatg catttcctac tttttatttg    480
```

```
ttccgaatgt attctcaagc ttcaagaacg gttcccatcc taccagactt ccaccgtatc    540
aggattaaaa aacaaaacaa aactctgtta ttctctccat agcttatggc ttttaaaaaa    600
taataatttg aacaaacaat tcctacgtgg catagatctt tccatcctgg agaatgttac    660
tatttcagtc tgtcatcttt tgtagatatt aaaaaccttt cgtatgtcaa tttctttgct    720
cctcaccacc acctttttagg caggtactag tattagctcg atgcatttga cacgtgttta    780
ttgttattca atgccagaca ctgaaatagg ccctagggat gtataacata ttctgtttgg    840
aaaattgagg ctcaaggagg ctaaataacc tgccccaggt tatatagtct gggattcagt    900
ctgagacagg cccccaggtt tgttggactc caaagcttgt gctcttaatc actatactta    960
cggttgcctg gtagggttgt ttgggttgtg caccgctcaa ctccagggGg agctattcac   1020
attgcagtct gtgtgagagc accctctgga gttgtgcaat gtggcactga gcagctgcac   1080
tgggtaatcc tgccattttg tagccgtccc tgctgttttg tctcttctaa gtggggagag   1140
aacataattt cgtacaagag aaagatggga tctttctctt ctttcctatt gggactcagc   1200
atcttggtgg ccttacactg tgtgctgaat gagtctatac tgttactatc tatagtaact   1260
cccgggccct tcctgtgcaa gaatttagag ccccaagctc ccctatacat ccccacaact   1320
tgcttgctca gatatcactt tttacctgct tatgaagcct caaaaatttt tatctcagct   1380
cacggtaaga aatacatttt acatcatgtc tcaatacaca cacgtatgtc tttacacaca   1440
tcttaagtat atttaagcat agggcagcca aagcttggtt gggctatagc aataagtgac   1500
cgctaccctc tctcctatac tcctgagtaa ccattgctct cttaaaaaag aaaaaagaaa   1560
aa                                                                  1562
```

<210> 11504
<211> 65
<212> DNA
<213> Homo sapiens

<400> 11504
```
acgccactgc attccagcct gggcaacaaa gcgagactct gtctcaaaaa aaaaaaaaaa    60
aaaac                                                                65
```

<210> 11505
<211> 84
<212> DNA
<213> Homo sapiens

<400> 11505
```
gtgagccgag atcgcgccac tgcactccag cctgggcaac agagcgagac tccgtctcaa    60
aaaaaaaaaa aatagaaaag aaaa                                           84
```

<210> 11506
<211> 283
<212> DNA
<213> Homo sapiens

<400> 11506
```
cgcctgtaat cccagcactt tggaaggccg aggcggccgg atcacgaggt caggagatca    60
agaccatcct ggctaacacg gtgaaacccc gtctctacta aaaatacaaa aaattagcca   120
ggcgtggtgg cggggggcctg tagtcccagc tactcgggag actgaggcag gagaatggcg   180
tgaacccggg aggtggagcc tgcagtgagc cgagatcgcg ccactgcact ccagcctggg   240
cgacagagcc agactccatc tcaaaaaaaa aaaaaaaaaa aaa                      283
```

<210> 11507
<211> 147
<212> DNA
<213> Homo sapiens

<400> 11507
```
ggtcccagct actcgggagg cttaggcagg agaatggcgt gaacccagga ggtggagctt    60
```

```
gcagtgagcc gagatcgcgc cactgcactc cagcctgggc gacagagcga gactccatct      120
caaaaaaaaa aaaaaaaaa aattgtg                                            147


<210> 11508
<211> 143
<212> DNA
<213> Homo sapiens

<400> 11508
gtagtcccag ctactgggga ggctgaggca ggagaatggc gtgaacctgg gaggcggagc       60
ttgcagtgag ccgagatcgc gccactgcac tccagcctgg gcgacagagc gagactccgt      120
ctcaaaaaaa aaaaaaagaa atg                                              143


<210> 11509
<211> 170
<212> DNA
<213> Homo sapiens

<400> 11509
gccgggcgtg gtagcgggcg cctgtagtcc cagctactcg ggaggctgag gcaggagaat       60
ggcgtgaacc cgggaggcgg agcttgcagt gagccgagat ctcgccactg cactccagcc      120
tgggcgacag agcgagactc cgtctcaaaa aaaaaaaaaa aaaagactg                  170


<210> 11510
<211> 125
<212> DNA
<213> Homo sapiens

<400> 11510
ctgaggcagg agaatggcgt gaacccggga ggcggagctt gcagtgagcc gagatggcgc       60
cactgcagtc cagcctgggc gatagagcga gactctgtct caaaaaaaaa aaaaaaaaa      120
aaatt                                                                  125


<210> 11511
<211> 162
<212> DNA
<213> Homo sapiens

<400> 11511
agctacttgg gaggctgagg caggagaatg gcgtgaaccc gggaggcgga gcttgcagtg       60
agccgagatc ccgccactgc actccagcct gggcgacaga gcgagactcc gtctcaaaaa      120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagaaca aa                         162


<210> 11512
<211> 301
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (98)
<223> n equals a,t,g, or c

<400> 11512
cggtggctca cgcctgtaat cccagcactt ggggaggccg aggcgggcgg atcacgaggt       60
caggagatcg agaccatcct ggctaacacg gtgaaacncc gtctctacta aaaatataaa      120
```

```
aaattagcca ggcgtggtgg tgggcgcctg tagtcccagc tactcaggag gctgaggcag    180
gagaatggcg tgaacccggg aggcggagct tgcagtgagc cgagatcgtg ccactgcact    240
ccagcctggg cgacagagtg agactccgtc tcaaaaaaaa aaaaaaaaaa gttattcttc    300
g                                                                    301


<210> 11513
<211> 246
<212> DNA
<213> Homo sapiens

<400> 11513
gatcacgagg tcaggagatc gagaccatcc tggctaacac ggtgaaaccc catctctact     60
aaaaatacaa aaaattagct gggcgtggtg gcaggcgcct gtagtcccag ctactcagga    120
ggctgaggca ggagaatggc gtgaacctgg gaggtggagc ttgcagtgag ccgagattgc    180
gccactgcac tccagcctgg gcgacagagt gagactccgt ctcaaaaaaa aaaaacaaaa    240
aaacaa                                                               246


<210> 11514
<211> 193
<212> DNA
<213> Homo sapiens

<400> 11514
aaaaattagc cgggcgtggt ggcgggcgcc tgtagtccca gctactcgag aggctgaggc     60
aggagaatgg cgtgaacccg ggaggcggag cttgcagtga ccgagatcg cgccactgca    120
ctccagcctg ggcgacagag cgagactccg tctcaaaaaa aaaaaaaaaa aaaaaaaga    180
tcagaaaaaa ata                                                       193


<210> 11515
<211> 140
<212> DNA
<213> Homo sapiens

<400> 11515
ggctgaggca ggagaatggc gtgaacccgg gaggcggagc ttgcagtgag tcgagatcgc     60
gccactgcac tccagcctgg gcgacagagc gaaactccgt ctcaaaaaaa aaaaaaaaaa    120
aaaaaaaaaa gagggggaaa                                                140


<210> 11516
<211> 246
<212> DNA
<213> Homo sapiens

<400> 11516
atcacgaggt caggagatcg agaccatccc ggctaaaacg gtgaaacccc gtctctacta     60
aaaatacaaa aaattagccg ggcgtagtgg cgggcgcctg tagtcccagc tactcaggag    120
gctgaggcag gagaatggcg tgaacccggg aggcggagct tgcagtgagc cgagatcccg    180
ccactgcact ccagcctggg cgacagagcg agactccgtc tcaaaaaaaa aaaaaaaaaa    240
aatgga                                                               246


<210> 11517
<211> 153
<212> DNA
<213> Homo sapiens

<400> 11517
```

```
cccagctact cgggaggctg aggcaggaga atggcgtgaa cccgggaggc ggagcttgca      60
gtgagccgag atcgcgccac tgcactccag cctgggcgac agagcgagac tccgtctcaa     120
aaaaaaaaaa aaaaaaaaga aagcagtggg gcc                                  153


<210> 11518
<211> 61
<212> DNA
<213> Homo sapiens

<400> 11518
atgccactgc actccagcct gggcgacaga gtgagactcc atctcaaaaa aaaaaaaaaa      60
a                                                                     61


<210> 11519
<211> 193
<212> DNA
<213> Homo sapiens

<400> 11519
cgggcgtggt agcgggcgcc tgtagtccca gctactcggg aggctgaggc aggagaatgg      60
cgtgaacccg ggaggcggag cttgcagtga gccgagatcg cgccactgca ctccagcctg     120
ggcgacagag cgagactccg tctcaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaattgac     180
tcctaatcaa aaa                                                        193


<210> 11520
<211> 136
<212> DNA
<213> Homo sapiens

<400> 11520
ggcaggagaa tggcgtgaac ccgggaggcg gagcttgcag tgagccgaga ttgtgccact      60
gcactccagc ctgggcgaca gagtgagact ccgtctcaaa aaaaaaaaaa aaaaaaaaaa     120
aaaaaaaaaa aaaaaa                                                     136


<210> 11521
<211> 279
<212> DNA
<213> Homo sapiens

<400> 11521
cactttggga ggccgaggcg ggcggatcac gaggtcagga gatcgagacc attctggcta      60
acacggtgaa accccgtctc tactaaaaat acaaaaaatt agccgggcgt ggtagcgggc     120
gcctgtagtc ccagctactc gggaggctga ggcaggagaa tggcgtgaac ccgggaggcg     180
gagcttgcag tgagccgaga tcgcgccact gcactccagc ctgggcgaca gagcgagact     240
ccgtctcaaa aaaaaaaaaa aaaaaaaaaa aaaaaaga                             279


<210> 11522
<211> 300
<212> DNA
<213> Homo sapiens

<400> 11522
gctcacgcct gtaatcccag cactttggga ggccgaggcg ggcggatcac gaggtcagga      60
gatcgagacc atcctggcta acacggtgaa accccatctc tactaaaaat acaaaaaatt     120
agccgggcgt ggtagcgggc gcctgtagtc ccagctactc gggaggctga ggcaggagaa     180
tggcgtgaac ccgggaggcg gagcttgcag tgagccgaga tcgcgccact gcactccagc     240
```

ctgggcgaca gagcgagact ccgtctcaaa aaaaaaaaaa aaaaaaaaaa aaaaaattaa   300

<210> 11523
<211> 150
<212> DNA
<213> Homo sapiens

<400> 11523
ggcgcctgta gtcccagcta ctcgggaggc tgaggcagga gaatggcgtg aacccgggag   60
gcggagcttg cagtgagctg agatcgcgcc actgcactcc agcctgggcg acagagcgag   120
actctgtctc aaaaaaaaaa aagaattggc   150

<210> 11524
<211> 322
<212> DNA
<213> Homo sapiens

<400> 11524
cggccgggcg cggtggctga cgcctgtaat cccagcactt tgggaggccg aggcgggcgg   60
atcacgaggt caggagatcg agaccatcct ggctaacacg gtgaaacccc gtctctacta   120
aaaatacaaa aaattagccg ggcgtggtag cgggcgcctg tagtcccagc tactcgggag   180
gctgaggcag gagaatggcg tgaacccggg aggcggagct ttcagtgagc cgagatcgcg   240
ccactgcact ccagcctggg cgacagagcg agactccgtc tcaaaaaaaa aaaaaaaaaa   300
aaaaaaaaaa aaaaaaaaat tc   322

<210> 11525
<211> 142
<212> DNA
<213> Homo sapiens

<400> 11525
cccagctact caggaggctg aggcaggaga atggcgtgaa cccgggaggc ggagcttgca   60
gtgagccgag atcccgccac tgcactccag cctgggcgac agagcgagac tccgtctcaa   120
aaaaaaaaaa aaaaaaaatg ga   142

<210> 11526
<211> 177
<212> DNA
<213> Homo sapiens

<400> 11526
ccgggcacgg tggcgggcgc ctgtagtccc agctactcag gaggctgagg caggagaatg   60
gcatgaaccc gggaggcgga gcttgcagtg agccgagatc gcgccactgc actccaccct   120
gggcgacaga gcgagactcc gcctcaaaaa aaaaaaaaaa aaaaaaaaaa gaaggtc   177

<210> 11527
<211> 368
<212> DNA
<213> Homo sapiens

<400> 11527
ggcatgggca aggacttcat gtctaaaacg ccaaaagcaa tggcaacaaa agacaaaatt   60
gacaaatggg atctaattaa actaaagagc ttctgcacag caaagagtc taccatcaga   120
gtgaacaggc aacctataca atgggagaaa aattttgcaa tctactcatc tgacaaaggg   180
ctaatatcca gaatctacag tgaactcaaa caaatttaca agaaaaaac aaacaacccc   240
atcaaaaagt gggcaaagta tatgaacaga cacttctcaa aagaagacat ttatgcagct   300

10041

```
aaaagacaca tgaaaaaatg cccatcatca ctggccatca gagaaatgca aatcaaaacc      360
acaatgag                                                                368


<210> 11528
<211> 131
<212> DNA
<213> Homo sapiens

<400> 11528
tttttttttt gagatggagt ctcgctctgt cgcccaggct ggagtgcagt ggcgggatct       60
cggctcactg caagctccgc ctcccgggtt cacgccattc tcctgcctca gcctcccaag      120
tagctgggac t                                                           131


<210> 11529
<211> 2925
<212> DNA
<213> Homo sapiens

<400> 11529
ctcccgagta gctgggacta caggcgcccg ccaccacgcc tggctaattt tttgtatttt       60
tagtagagac ggggtttcac cgcgttagcc aggatggtct tgatctcctg acctcgtgat      120
ccgcccgtct cggcctccca aagtcctggg attacaggcg tgagccaccg cgcccggctg      180
agatgggtat tattaagaaa ttaagatgtg gattaccagg gtaagtcata tttcaatgtg      240
caacctctgc aagtccacag ggtgtgatat ggacattaag gagatctatg gacgaatagc      300
gtatgatacc ttgacaagtt gacaaaatgt aaaatagttg aatggccata gaaaaaaacc      360
agcttttag ccccataggc cgagggattc aggagggctg gctacgggca ttttggaatg       420
gaagatgttg taccaacaaa tcaagcttag gttcctggca atttgcccac atataatatg      480
tgaaagttca gatgtgaaat aaatctgcgg ctaatagtaa gaacctagcc acaggagtta      540
aaacttacgg ttctgggacc agatggactg ccttctaatc ttagtcttac tacattttag      600
cggtaaaacc ttcagcaagt tatttagcct ccagcatctc agttttctca tctgtaaaat      660
ggtgataatg ctactcttac attgggttgt agtaggataa aaggagaaaa cgtatgtaaa      720
ggatttagta gaaacttatt aaaattaagc aattattatt tctcaattct aagattctaa      780
cctgcaaaag gcataaggca gctgctgaga acagggtgag aagataggga ttcggtcagg      840
aaaagtcttg ttttccctgtt gctgttggtg gttttgtttg ctcatttgtg tgttttttttt     900
attaatcatt ttcacttgtg tttattgaca agcttaatca ataatgccat tgacatttag      960
taaaagtaaa tttccttaag tgatctccca ggtagcaatg tttattcatt atgtgtggag     1020
tagagatagg aattatttta ttgctgcaaa tattttatta ttggtttttc aagtttttaaa    1080
agtaatttta attttttaat ttttgtgagt atatagtaag tgcacatatt tatggggtac     1140
atgagatatt ttgatacagg catatgatgt gtaataatca catcagggta aacagggtaa     1200
gcatcacctc aagcatttgt cctttttttgt attacaaaga atctaattat actcttttag     1260
ttatttttaa atgtacaata aattattgtt gactatagtt ttgccactgc aaacaataga     1320
aggcttcctg atacagcctc ctagtcattg gagttctatg gcagaattcc taaagttttt     1380
aagtttcatg agatggctaa attttggtaa atatgatact ttcttttgaac agatgctaca     1440
gaggccaata taaaggagtg taacagagtg acacctgtga tcagtatctc tccaactaca     1500
aagagtgtcc cttaaatttc ttctgtgtgg ttcctctttt tttttttttt tttttttgag     1560
acgaagtctc gctctgtcgc ccaggctgga gtgcagtggc gcgaacttgg ctcgctgcaa     1620
gctccgcctc ccgggttcac tccattctcc tgcctcaccc tctcaagtag ctgggactac     1680
aggtgcctgc caccactccc ggctaatttt ttttgcatt tttagtgaga gatggggttt      1740
cactgtgtta gccaggatgg tctccatctc ctgacctcat gatccagccg ccttggcctc     1800
ccaaagtgct cggattacag gcgtgagcca ccgcgctcgg cctgtgtggc tcctcttaag     1860
taatactctg cttcgtccat ataagcagag gtcagaactg gctaagaatt tctttatgtg     1920
tgtttatcct gatgttttcc tactgtcact tttctttttct tatggattag cattgaggga    1980
atggtcagat ggtgcctgcg tgagtctgat tgaaacattt tagcggcggg gtgcgggggt     2040
tgatggcatg tgcaatagtt taggatattt gagttagtgg cagaatgtag acatgagggt     2100
gagtagagag tgcgtagcag agcaagcaat tcaggaatct atgttggtta attacttttg     2160
ttttgtggac atttattct acctgaaaag attatctagg aactacagaa attaatgacg       2220
tgtagtggaa actttgcaca gtgtaagtgt tatccattta cttctcttag tttccaatac     2280
aatgactctc ctggtagctg tcatacatga taaatataat ttcgttaata aaattatatt     2340
ttatataatt gcgtacttta aacaagtgat caatataact cagttataaa tgtacagtaa     2400
```

10042

```
caaagatcaa tggataataa atacttctgc gttcattttc atggatacat tctatttttg    2460
tttgtctcac aagcagtaat cagactatga atcatgatat agctccataa acacttactt    2520
tatagcaatt cactgatata tgctccacca aaaaaaatta agagacggat acaagcaatt    2580
taaagcttct gtgtgtgtgt gcatgcaacc gatgtgtatg gctttttttt tttttttttt    2640
ttttgacaca gagtgtcgct ctgtcgccca ggctggagtg cagtggcgtg atctccgctc    2700
actgcaagct ccgcctgcct ggttcacgcc attctcctgc cttagcctcc caagtagctg    2760
ggacttcagg cgcctgacac cacgcctggc taattttttg tattttttagt agagacgggg    2820
tttcaccgtg ttatccagga tggtctccat ctcctgacct cgtgatccac ctgcctccgc    2880
ctcccaaagt gctgggatta caggcttgag cctcctcgcc cggcc                    2925
```

<210> 11530
<211> 4706
<212> DNA
<213> Homo sapiens

<400> 11530

```
tattattata ctttaagttt cagggtacat gtgcacaatg tgcaggtttg ttacacatgt      60
atacatgtgc catgttggtg tgctgcaccc atcaactcgt catttagcat tagatatatc     120
tcctaatgct atccctcccc actcccccta ccccacaaca gtccccggtg tgtgatgttc     180
cccttcctgt gtccatgtgt tctcattgtt caattctcat ctatgagtga gaacatgtgc     240
tgtttggttt tttgtccttg caatagtttg ctgagaatga tggtttccag cttcatccat     300
gtccctacaa aggacatgaa ctcatccttt tttatggctg catagtattc catggtgtat     360
atgtgccaca ttttcttaat ccagtctatc attgttggac atttcggttg gttccaagtc     420
tctgctattg tgaatagtgc cgcaataaac atacatgtgc atgtgtcttt atagcagcat     480
gatttacaat cctttgggta tatacccagt aatgggatgg ctgggtcaaa tggtatttct     540
agttctagat ccctgaggaa tcgccacacc gacttccaca atggttgaac tagtttacag     600
tcccaccaac agtgtaaaag tgttcctatt tctccacatc ctctcagcac ctgttgtttc     660
ctgacttttt aatgatctcc attctaactg ttgtgagatg gtatctcatt gtggttttga     720
tttgcatttc tctgatggcc agtgatgatg agcacttttt catgtgtttt ttggctgcat     780
aaatgtcttc ttctgagaag tatctgttca tatcctttgc ccactttttg atggggttgt     840
ttgttttttt cttgtaaatt tgtttgagtt cattgtagat tctggatatt agccctttgt     900
cagatgagta ggttgcaaaa actttctccc attctgtagg ttgcctgttc actctgatgg     960
tggtttcttt tgctgtgcag aagctcttca gtttaattag atcccatttg tcaattttgt    1020
cttttgttgc cattgctttt ggtgttttag acatgaagtt cttacccatg cctatgtcct    1080
gaatggtatt gcctaggttt tcttctaggg tttttatggt tttaggtcta acatgtaagt    1140
ctttaatcca tcttgaatta attttttgtat aaggtgtaag gaagggatcc agtttcagct    1200
ttctacatat ggctagccag ttttcccagc accatttatt aaatagggaa tcctttcccc    1260
attgcttgtt tttgtcaggt ttgtcaaaga tcagatagtt gtagatatgt gacattattt    1320
ctgagggctc tgttctgttc cattggtcta tatctctgtt ttggtaccag taccatgctg    1380
ttttggttac catagccttg tagtatagtt tgaagtcagg tagtgttatg cctccagctt    1440
tgttcttttg gcttaggatt gacttggcaa tgtgggctct tttttggttc catatgaact    1500
ttaaagtagt ttttttccaat tctgtgaaga aagtcattgg tagcttgatg ggaatggcac    1560
tgaatcttta aatgaccttg ggcagtatgg ccattttcac gatattgatt cttcctaccc    1620
atgagcatgg aatgttcttc catttgtttg tatccccttt tatttcattg agcagtggtt    1680
tgtagttctc cttgaagagg tccttcacat cccttgtaag ttggattcct aggtatttta    1740
ttctctttga agcaattgtg aatgggagtt cactcatgat ttggctctct gtttgtctgt    1800
tattggtgta taagaatgct tgtgattttt gcacattgat tttgtatcct gagactttgc    1860
tgaagttgct tatcagctta aggagatttt gggctgagat gatggggttt tctagatata    1920
caatcatgtc atctgcaaac agggacaatt tgacttcttc ttttcgtaat tgaatgccct    1980
ttatttcctt ctcctgcttg attgccctgg ccagaacttc cacactatgt tgaataggag    2040
tggtgagaga gggcatccct gtcttgtgcc agttttcaaa gggaatgctt ccagtttttg    2100
cccattcagt atgatattgg ctgtgggttt gtcatagcta gctcttatta ttttgagata    2160
catcacatca atacctaatt tattgagagt ttttagcatg aagcattgtt gaattttgtc    2220
aaaggctttt tctgcatcca ttgagataat catgtggttt ttgtctttgg ttctgtttat    2280
atgctggatt acgtttattg attttcgtat gttgaaccag ccttgcatcc cagggaggaa    2340
gcccactaga tcatggtgga taaactttt gatgtgctgc tgtatttggt ttgccagtat     2400
tttattgagg attttttgcat caatgttcat caaggatatt ggtctaaaat tctctttttt    2460
ggttgtgtct ctgccaggct ttggtatcag gatgattctg gccacataaa atgagttagg    2520
gaggattccc tctttttcta ttgattggaa tagtttcaga aggaatggta ccagctcctc    2580
cttgtacctc tggtagaatt cggctgtgaa tccatctgtt cctggacttt ttttggttgg    2640
```

```
taagctattg attatttcct caatttcagt gcctgttatt ggtatattca gagattcaac      2700
ttcttcctgg tttagtcttg ggaggatgta tgtgtcaagg aatttatcca tttcttctag      2760
attttgtagt ttatttgcat agaggtgttt atagtattct ctgatggtag tttgtatttc      2820
tgtgggatcg gtggtgatat cccctttatc attttttatt gcgtctattt gattcttctc      2880
tcttttcttc tttattagtc ttgctgtcta tcaatttgt tgatcttttc aaaaaaccag       2940
ctcctgaatt cattaatttt ttgaagggtt ttttgtgtct ctatttcctt cagttcttct      3000
ctgatcttag ttatttcttg ccttctgcta gcttttgaat gtgtttgctc ttgcttctct      3060
agttctttta attgtgatgt tagggtgtca attttagatc tttcctgctt tctcttttgg      3120
gcatttagtg ctataaattt ccctctacac actgctttga atgtgtccca gagattctgg      3180
tatgttgtct ttgttctcat tggtttcaaa gaacaccttt atttctgcct tcatttcgtt      3240
atgtacccag cagtcattca ggagcaggtt gttcagtttc catgtagttg agtggttttg      3300
agtgagtttc ttaatcctga gttctagttt gattgcactg tggtctgaga gacagtttgt      3360
tataatttct gttctttgac atttgctgag gagtgcttta cttccaacta tgtggtcaat      3420
tttggaatag gtgtggtgtg gtgctgaaaa gaatgtatat tctgttgatt tggggtggag      3480
agttctgtag atgtctatta gttccgcttg gtttagagct gagttcaatt cctgggtatc      3540
cttgttaact ttctgtcttg ttgatctgtc taatgttgac agtggggtgt taaagtctct      3600
gattattatt gtgtaggagt ctaagtctct ttgtagttca ctaaggactt gctttatgaa      3660
tctgggtgct cctgtattgg gtgcatatat atttaggaca gtttgctttt cttgttgaat      3720
tgatcccttt accattatgt aatggccttc tttgtctctt ttgatctttg ttggtttaaa      3780
gtctgtttta tcagagacta ggattgcaat ccctgccttt ttctgttttc catttgcttg      3840
gtagatcttc ctccatccct ttattttgag cctatgtgtg tgtctgcacg tgagatgggt      3900
ttcctgaata cagcacactg atgggtcttg actctttatc caatttgcca gtctgtgtct      3960
tttaattgga gcatttagcc tatttacatt caaagttagt attgttatat gtgaatttga      4020
tcctgtcatt attatgtcag ttggttattt tgctcattag ttgatgcagt ttcttcctag      4080
cctcgatggt ctttacaatt tggcatgttt ttgcagtggc tggtactggt tgttcctttc      4140
catgtttagt gcttcttcct tcaggagctc tttttaggaca ggcctggtgg tgacaaaatc      4200
tctcagcatt tgcttgtctg taaagtattt tatttctcct tcacttatga agcttagttt      4260
ggctggatat gaaattctgg gttgaaaatt cttttcttta agaatgttga atattgcccc      4320
ccactctctt ctggcttgta gagtttctgc caagagatca gctgttagtc tgaggtgctt      4380
ccctttgtgg gtaacccgac ctttctctct ggctgccctt aacatttttt ccttcatttc      4440
aactttggtg aatctggcaa ttatgtgtct tggagttgct cttctcgagg attatctctg      4500
tggtgttctc tgtatttcct gaatttgaat gttggcctgc cttgctagat tggggaagtt      4560
ctcctggata atatcctgca gagtgttttc caacttggtt ccattctccc cgtcactttc      4620
aggtacacca aacagacgta ggtttggtct tttcacatag tcccatattt cttggaggct      4680
ttgtttcttt ttattctttt ttctct                                          4706


<210> 11531
<211> 4704
<212> DNA
<213> Homo sapiens

<400> 11531
tattattata ctttaagttt cagggtacat gtgcacaatg tgcaggtttg ttacacatgt        60
atacatgtgc catgttggtg tgctgcaccc atcaactcgt catttagcat tagatatatc       120
tcctaatgct atccctcccc actcccccta ccccacaaca gtccccggtg tgtgatgttc       180
cccttcctgt gtccatgtgt tctcattgtt caattctcat ctatgagtga gaacatgtgc       240
tgtttggttt tttgtccttg caatagtttg ctgagaatga tggtttccag cttcatccat       300
gtccctacaa aggacatgaa ctcatccttt tttatggctg catagtattc catggtgtat       360
atgtgccaca ttttcttaat ccagtctatc attgttggac atttcggttg gttccaagtc       420
tctgctattg tgaatagtgc cgcaataaac atacatgtgc atgtgtcttt atagcagcat       480
gatttacaat cctttgggta tatacccagt aatgggatgg ctgggtcaaa tggtatttct       540
agttctagat ccctgaggaa tcgccacacc gacttccaca atggttgaac tagtttacag       600
tcccaccaac agtgtaaaag tgttcctatt tctccacatc ctctcagcac ctgttgtttc       660
ctgacttttt aatgatctcc attctaactg ttgtgagatg gtatctcatt gtggttttga       720
tttgcatttc tgatgatggc cagtgatgat gagcattttt tcatgtgttt tttggctgca       780
taaatgtctt cttctgagaa gtatctgttc atatcctttg cccacttttt gatggggttg       840
tttgtttttt tcttgtaaat ttgtttgagt tcattgtaga ttctggatat tagccctttg       900
tcagatgagt aggttgcaaa aactttctcc cattctgtag gttgcctgtt cactctgatg       960
gtggtttctt ttgctgtgca gaagctcttc agtttaatta gatcccattt gtcaattttg      1020
gcttttgttg ccattgcttt tggtgtttta gacatgaagt tcttacccat gcctatgtcc      1080
```

10044

```
tgaatggtat tgcctaggtt ttcttctagg gtttttatgg ttttaggtct aacatgtaag    1140
tctttaatcc atcttgaatt aattttgta taaggtgtaa ggaagggatc cagtttcagc    1200
tttctacata tggctagcag gttttcccag caccatttat taaataggga atcctttccc    1260
cattgcttgt ttttgtcagg tttgtcaaag atcagatagt tgtagatatg tgacattatt    1320
tctgagggct ctgttctgtt ccattggtct atatctctgt tttggtacca gtaccatgct    1380
gttttggtta ccatagcctt gtagtatagt ttgaagtcag gtagtgtgat gcctccagct    1440
ttgttctttt ggcttaggat tgacttggca atgtgggctc ttttttggtt ccatatgaac    1500
tttaaagtag ttttttccaa ttctgtgaag aaagtcattg gtagcttgat gggaatggca    1560
ctgaatcttt aaatgacctt gggcagtatg gccattttca cgatattgat tcttcctacc    1620
catgagcatg gaatgttctt ccatttgttt gtatcccctt ttatttcatt gagcagtggt    1680
ttgtagttct ccttgaagag gtccttcaca tcccttgtaa gttggattcc taggtatttt    1740
attctctttg aagcaattgt gaatgggagt tcactcatga tttggctctc tgtttgtctg    1800
ttattggtgt ataagaatgc ttgtgatttt tgcacattga ttttgtatcc tgagactttg    1860
ctgaagttgc ttatcagctt aaggagattt tgggctgaga tgatggggtt ttctagatat    1920
acaatcatgt catctgcaaa cagggacaat ttgacttctt cttttcgtaa ttgaatgccc    1980
tttatttcct tctcctgctt gattgccctg gccagaactt ccacactatg ttgaatagga    2040
gtggtgagag agggcatccc tgtcttgtgc cagttttcaa agggaatgct tccagttttt    2100
gcccattcag tatgatattg gctgtgggt tgtcatagct agctcttatt attttgagat    2160
acatcacatc aatacctaat ttattgagag ttttagcat gaagcattgt tgaattttgt    2220
caaaggcttt ttctgcatcc attgagataa tcatgtggtt tttgtctttg gttctgttta    2280
tatgctggat tacgtttatt gattttcgta tgttgaacca gccttgcatc ccagggagga    2340
agcccactag atcatggtgg ataaactttt tgatgtgctg ctgtatttgg tttgccagta    2400
ttttattgag gattttgca tcaatgttca tcaaggatat tggtctaaaa ttctcttttt    2460
tggttgtgtc tctgccaggc tttggtatca ggatgattct ggccacataa aatgagttag    2520
ggaggattcc ctcttttct attgattgga atagtttcag aaggaatggt accagctcct    2580
ccttgtacct ctggtagaat tcggctgtga atccatctgt tcctggactt ttttggttg    2640
gtaagctatt gattatttcc tcaatttcag tgcctgttat tggtatattc agagattcaa    2700
cttcttcctg gtttagtctt gggaggatgt atgtgtcaag gaatttatcc atttcttcta    2760
gattttgtag tttatttgca tagaggtgtt tatagtattc tctgatggta gtttgtattt    2820
ctgtgggatc ggtggtgata tcccctttat catttttat tgcgtctatt tgattcttct    2880
ctcttttctt ctttattagt cttgctgtct atcaattttg ttgatctttt caaaaaacca    2940
gctcctgaat tcattaattt tttgaagggt tttttgtgtc tctatttcct tcagttcttc    3000
tctgatctta gttatttctt gccttctgct agcttttgaa tgtgtttgct cttgcttctc    3060
tagttctttt aattgtgatg ttagggtgtc aattttagat ctttcctgct ttctcttttg    3120
ggcatttagt gctataaatt tccctctaca cactgctttg aatgtgtccc agagattctg    3180
gtatgttgtc tttgttctca ttggtttcaa agaacacctt tatttctgcc ttcatttcgt    3240
tatgtaccca gcagtcattc aggagcaggt tgttcagttt ccatgtagtt gagtggtttt    3300
gagtgagttt cttaatcctg agttctagtt tgattgcact gtggtctgag agacagtttg    3360
ttataatttc tgttctttga catttgctga ggagtgcttt acttccaact atgtcaattt    3420
tggaataggt gtggtgtggt gctgaaaaga atgtatattc tgttgatttg gggtggagag    3480
ttctgtagat gtctattagt tccgcttggt ttagagctga gttcaattcc tgggtatcct    3540
tgttaacttt ctgtcttgtt gatctgtcta atgttgacag tggggtgtta aagtctctga    3600
ttattattgt gtaggagtct aagtctcttt gtagttcact aaggacttgc tttatgaatc    3660
tgggtgctcc tgtattgggt gcatatatat ttaggacagt ttgcttttct tgttgaattg    3720
atccctttac cattatgtaa tggccttctt tgtctctttt gatctttgtt ggtttaaagt    3780
ctgttttatc agagactagg attgcaatcc ctgcctttt ctgttttcca tttgcttggt    3840
agatcttcct ccatcccttt attttgagcc tatgtgtgtg tctgcacgtg agatgggttt    3900
cctgaataca gcacactgat gggtcttgac tctttatcca atttgccagt ctgtgtcttt    3960
taattggagc atttagccta tttacattca aagttagtat tgttatatgt gaatttgatc    4020
ctgtcattat tatgtcagtt ggttattttg ctcattagtt gatgcagttt cttcctagcc    4080
tcgatggtct ttacaatttg gcatgttttt gcagtggctg gtactggttg ttcctttcca    4140
tgtttagtgc ttcttccttc aggagctctt ttaggacagg cctggtggtg acaaaatctc    4200
tcagcatttg cttgtctgta aagtattta tttctccttc acttatgaag cttagtttgg    4260
ctggatatga aattctgggt tgaaaattct tttctttaag aatgttgaat attgcccccc    4320
actctcttct ggcttgtaga gtttctgcca agagatcagc tgttagtctg atgtgcttcc    4380
ctttgtgggt aacccgacct ttctctctgg ctgcccttaa cattttttcc ttcatttcaa    4440
ctttggtgaa tctggcaatt atgtgtcttg gagttgctct tctcgaggat tatctctgtg    4500
gtgttctctg tatttcctga atttgaatgt tggcctgcct tgctagattg gggaagttct    4560
cctggataat atcctgcaga gtgttttcca acttggttcc attctccccg tcactttcag    4620
gtacaccaaa cagacgtagg tttggtcttt tcacatagtc ccatatttct tggaggcttt    4680
gtttcttttt attcttttt ctct                                          4704
```

<210> 11532
<211> 1445
<212> DNA
<213> Homo sapiens

<400> 11532
cacaggtgcc aggatgccaa gggatacaga agaaggatgg ttgcttctct acccaggagt   60
gccctgaggt gtcttaaaaa gaggagcatt tatgactcag gcagggtggc acattccaga   120
cggcagtggg caggagcctg actccagagc gccttagagg ctgccgctgg gagttgagct   180
ggaccctgaa ggcagtaggg taagccataa attagggtta aggaaccaag ggaataaggg   240
gatcagacca ttgcatagct ccagcagcac cattactagc agcctgtgtg aatgatggtc   300
ccctcttaca tgcccaccat gcaagggctc taggccattc ttcactcttt aatgcagaaa   360
agcaaaactt ccagctgttt tcccctaccc aaaatgtgtg agcctgagcc cagccccagg   420
atggatcttg tcctaggtaa ccaagaaggc cttaagtgtc agaagaggta gctccaggct   480
gaataaaggg acaaatgaag cattactgca ctgagatcgc ccgtcgtggg gtgggtctat   540
acccatctag tcattaagcc tcaataattt ggtttctaaa tggactatta tttgctacag   600
atcaaaagtt gttggaaact atattacaca gataaataga attgtcctgc aaataaagga   660
agtaatctct tctctgtttg agataccatg cagtatttgt ccaacttgta caaatagttc   720
tgatccatga gaatcctcca ctttcaactt acttgctgct atatcccaac tattataagg   780
ccatggagac cagtagcctg gtttccatta tctttgctct gtttttttttt atggcatggt   840
tgacactacc tccagtagca aagagttaac ttgtcatcag agctataaaa tcacaatgat   900
aagtgaaaag ttctcttttg tactttagca tccaagagaa gtgtaattcc caactacaat   960
gctcaaaata atagagagtt tttactttgg gcctgaaaat acttataggt caggtctcct   1020
agttgggtcc atgctgttgt tggtgttccc tcccaagtaa atacatactg aatttagcaa   1080
attattcatt tgtgatcctc tgtgccatct aaaaatatat atagtttaaa acgctggcca   1140
ggcgcagtgg ctcatgccta taatctcagc actttgggag gctgaggcag gtggatcacc   1200
tgaggtcggg aattgaagac caaactggcc aacatggtga aacccctct ctactaaaaa   1260
tacaaaaatt agctgggcat ggtgttggac tcctataatc ccagctacta gggaggctga   1320
ggcaggagaa tctcttgaac ccgggaggtg gaggttgcag tgagccgaga ttgtggcact   1380
gtactccagc ctgggtgaca gagtgagact ccatctcaaa aaaaaaaaa aaaatgctta   1440
tcatt   1445

<210> 11533
<211> 88
<212> DNA
<213> Homo sapiens

<400> 11533
ggaggttgca gtgagccgag atcgtgccat tgcactccag cctgggtgac agagtgagac   60
tccgtctcaa aaaaaaaaa aaaagagt   88

<210> 11534
<211> 98
<212> DNA
<213> Homo sapiens

<400> 11534
tgtgaacctg ggaggtggag cttgcagtga gcggagatcg tgccactgca ctccagcctg   60
ggtgacagag tgagactcca tctcaaaaaa aaaaaagg   98

<210> 11535
<211> 57
<212> DNA
<213> Homo sapiens

<400> 11535

10046

tgcactccag cctgggggac agagcgagac tccgtctcaa aaaaaaaaaa aaaaaga   57

<210> 11536
<211> 136
<212> DNA
<213> Homo sapiens

<400> 11536
ggcaggagaa tggcgtgaac ccgggaggcg gagcttgcag tgagccgaga ttgtgccact   60
gcactccagc ctgggcgaca gagtgagact ccgtctcaaa aaaaaaaaaa aaaaaaaaaa .   120
aaaaaaaaaa aaaaaa   136

<210> 11537
<211> 1161
<212> DNA
<213> Homo sapiens

<400> 11537
tcaacagtgt aaaaatacat agaaaagcaa gcaggaataa aggaatgttt aaataaatta   60
caaagataaa aattaaaacc gtaattcagc cgagcctggt gggtcatgcc tgtaatccca   120
gcactttgag aggctgaggc aggcagatca cttgaggtca ggattttgag accagcctgg   180
ccaacgtggt gaaacctcat ttctactaaa aatacaaaaa ttagccgggc atggtgttgg   240
gtgcctgtaa tcccagctac tcagaaggct gaggcagaag aatcgcttaa acccaggaga   300
tggagtttgc agtgagccta gttcgcgcca ctggactaga ctaggtgaca gagggagact   360
ccgtctcaag gaaaaaaaaa aaacttaact agaacattta ttgagcactt actaggtgcc   420
agctagtgct ctgagtgctt tgtgtgtatt aactcattaa tgcccccagc acctcttgag   480
gtagattaaa atctccatct cggtttttaca tgcaaggaaa ccagagcagg aagagcttca   540
ggaacttgcc ctcctagtaa agatagaaag tagcaaaccc aggattcaac cccagaaata   600
ttatatacta tgtttgtgct gaatcttttt ttttttttt tgtttttgga gatggagttt   660
tgctcttgtt gcccaggctg gagtgcagtg gcgcgatctc ggctcaccgc aacctccgcc   720
tcccaggttc aagtgattct cctgcctcag cctcccaagt agctgggatt gcaggtgctc   780
actaccacgc cggctaattt tgtattttta gtagagacag agtttctcca tgttggtcag   840
gctgttctca agctcccgac ctcgggtgat ctgcctgcct cggcctccca aagtgttggg   900
attacaggcg agagccaccg cacctggcct ttgtgctgat tctatagtct tattttcaca   960
tcctatcagt tactgtaagt aactcttgat tccaagaact gtataatagg aaagggtagc   1020
ttccaattat ctactcttgc ttgataatgc attaattcca catagccttt aaaagtttag   1080
taaattttag gataaatttt cgaactgtta tttcctattg gctgttagaa aattgtgttg   1140
ctcaaagggg aacatgtcta t   1161

<210> 11538
<211> 164
<212> DNA
<213> Homo sapiens

<400> 11538
ctcctgagta gctgggatta caggcatcca ccatcatgcc tggctagttt ttgtattttt   60
gtagagacgg ggtttcacca tgttggccag gctggtcttg aactcctgac cttaggtgac   120
ccgcccgcct tggcctccca aagtgctggg attacaggcg tgag   164

<210> 11539
<211> 561
<212> DNA
<213> Homo sapiens

<400> 11539
taggcacaca tgtgcatgca cacttccagc ctcctcttcc tgctggtgct tctcagtgat   60
acctatgaga aggatcactt tccttcctta tttccttttg tgggatagga tggatctaaa   120

10047

```
agggacacat taataagaag gcatagtgat taatgtattc agcaaaggtt ttttccagtc      180
ttctcttatt aagaaacaga ctttttccct tgaaatgaga tttcattggc cttctttatg      240
taagcttatt gtgccagcaa ttgtgcttgt tgcagtaaaa gaagattccc tcttttgtgg      300
gggtgttaaa aatcccacct acatacatcc acacaatttt accttagata cccagttcat      360
agtgtgaaca ccactgtctt aagtggagat ttagtttaaa aaaaatcttt ttggctgggc      420
acagtggctc atgcccataa tcccaacact ttgggaggct gaagtgggca gaattgcatt      480
agcccaggag tttgagatca gcctgggcaa catggcaaaa cccctttttt acgcccccc       540
cccccaaaaa aaaaaaaaaa a                                                 561
```

<210> 11540
<211> 558
<212> DNA
<213> Homo sapiens

<400> 11540
```
taggcacaca tgtgcatgca cacttccagc ctcctcttcc tgctggtgct tctcagtgat       60
acctatgaga aggatcactt tccttcctta tttccttttg tgggatagga tggatctaaa      120
agggacacat taataagaag gcatagtgat taatgtattc agcaaaggtt ttttccagtc      180
ttctcttatt aagaaacaga ctttttccct tgaaatgaga tttcattggc cttctttatg      240
taagcttatt gtgccagcaa ttgtgcttgt tgcagtaaaa gaagattccc tcttttgtgg      300
gggtgctaaa aatcccacct acatacatcc acacaattct accttagata cccagttcat      360
agtgtgaaca ccactgtcct aagtggagat ttagtttaaa aaaaatcttt ctggctgggc      420
acagtggctc atgcccataa tcccaacact ttgggaggct gaagtgggaa aaattgcact      480
atacaatatg tttgagatca gcctgggcaa catggcaaaa cccctctct acgcccccc       540
ccacaaaaaa aaaaaaaa                                                     558
```

<210> 11541
<211> 1335
<212> DNA
<213> Homo sapiens

<400> 11541
```
taggaagtat tttcatgaca tgttttcaga agccagaaag catttgttaa acgcagcttt       60
ggttataaac ctgcaccatt gaaaatttgc acatagaata tagactcact tgtacataga      120
attatttctt caagtataat tcaaaataat atggacatta tcatgttctg cattacaata      180
atgggatgtc atcaccattg ctagaatact ggcatgattc ttctgagcag aagttgaaac      240
tgtaaattta aaccttttaa ttatcacctt acctgaaaga ggttagttaa gatattcaca      300
cagtatgtat tatattaacc atatcacact taagttatta aattcagact atttgtaact      360
tattgttata gggcctgccg tatggcttag gatatttgag taatcatata tttaaagtaa      420
aaactttggg ctgggcacag tggctcacac ctgtaatccc agcacttggg gaagctgagg      480
tgggcagatc agttgaggtc aggagttcta gaccagcctg gtcaacatgg cgaaacccca      540
tctctactaa aaatacaaaa attagctggg cgtggtggca cacctgta atcccagtta      600
cttgggaggc tgaggcacaa gaatcgcttg aacccgggag gcggaggttg cagttagcca      660
agatcgccct gctgcactcc agcctgggca acagagggag actctgtctc caaaaacaaa      720
aacaaaaact gttagtgaag gttccctggg actttgata ttttaaaaat tgttcttatg      780
actagtagat aaattcattg ccataatgag gctagctccc agataaacag tgtatttct       840
tcttttttt ttttttttt ggtgagtggt ccagagcttt aagctacttt tccagtagtt      900
tgccactttc tccgaggtag tttggctgct ctttcagtaa tgctaattgt gtgtcaaatt      960
ttgtctacaa cagtaggcaa cagatgaaga taagttggtt gaatgtctcc agcactatgc     1020
atccctattt tctatttatt gtgtacactc acttcagta atgtgtttca aactggtatt     1080
ttttaaaaaa caaatcaatg taaggactga agttgaagta gcaatgtaat aaagttaatt     1140
tgtttatttt ttgtacagtt agtttggtta ttgaaatctt cctatattgt ttaaatgtgt     1200
atttgcatag acatagtaaa gtgttacagc atttcatgtc ttaaaaatat ctatgaagat     1260
atctaaaata tctatttcta tgaagaaaca gactttaaca aatataagca aaattcagtt     1320
ttcttttaac cagtc                                                      1335
```

<210> 11542
<211> 184
```

<212> DNA
<213> Homo sapiens

<400> 11542
```
caaaaatgaa attatttcgt aatgaaagat aaacatttta atatttagag gatatttggt   60
ccttaaaaca cagttctcaa accagttgtc ttgaattcta tatggaacaa tgagagggta   120
taaataaagt tctgaaaggg tatccaaggg agagaataca gtcatgggtt cttagtttct   180
gttt   184
```

<210> 11543
<211> 1334
<212> DNA
<213> Homo sapiens

<400> 11543
```
taggaagtat tttcatgaca tgttttcaga agccagaaag catttgttaa acgcagcttt   60
ggttataaac ctgcaccatt gaaaatttgc acatagaata tagactcact tgtacataga   120
attatttctt caagtataat tcaaaataat atggacatta tcatgttctg cattacaata   180
atgggatgtc atcaccattg ctagaatact ggcatgattc ttctgagcag aagttgaaac   240
tgtaaattta aacctttaa ttatcacctt acctgaaaga ggttagttaa gatattcaca   300
cagtatgtat tatattaacc atatcacact taagttatta aattcagact atttgtaact   360
tattgttata gggcctgccg tatggcttag gatatttgag taatcatata tttaaagtaa   420
aaactttggg ctgggcacag tggctcacac ctgtaatccc agcacttggg gaagctgagg   480
tgggcagatc agttgaggtc aggagttcta gaccagcctg gtcaacatgg cgaaacccca   540
tctctactaa aaatacaaaa attagctggg cgtggtggca cacacctgta atcccagtta   600
cttgggaggc tgaggcacaa gaatcgcttg aacccgggag gcggaggttg cagttagcca   660
agatcgccct gctgcactcc agcctgggca acagagggag actctgtctc caaaaacaaa   720
aacaaaaact gttagtgaag gttccctggg acttttgata ttttaaaaat tgttcttatg   780
actagtagat aaattcattg ccataatgag gctagctccc agataaacag tgtattttct   840
tcttttttt tttttttttg gtgagtggtc cagagcttta agctactttt ccagtagttt   900
gccactttct ccgaggtagt ttggctgctc tttcagtaat gctaattgtg tgtcaaattt   960
tgtctacaac agtaggcaac agatgaagat aagttggttg aatgtctcca gcactatgca   1020
tccctatttt ctatttattg tgtacactca ctttcagtaa tgtgtttcaa actggtattt   1080
tttaaaaaac aaatcaatgt aaggactgaa gttgaagtag caatgtaata aagttaattt   1140
gtttattttt tgtacagtta gtttggttat tgaaatcttc ctatattgtt taaatgtgta   1200
tttgcataga catagtaaag tgttacagca tttcatgtct taaaaatatc tatgaagata   1260
tctaaaatat ctatttctat gaagaaacag actttaacaa atataagcaa aattcagttt   1320
tcttttaacc agtc   1334
```

<210> 11544
<211> 184
<212> DNA
<213> Homo sapiens

<400> 11544
```
caaaaatgaa attatttcgt aatgaaagat aaacatttta atatttagag gatatttggt   60
ccttaaaaca cagttctcaa accagttgtc ttgaattcta tatggaacaa tgagagggta   120
taaataaagt tctgaaaggg tatccaaggg agagaataca gtcatgggtt cttagtttct   180
gttt   184
```

<210> 11545
<211> 7852
<212> DNA
<213> Homo sapiens

<400> 11545
```
ctatcatggt aattctgata ttgcagagga tagtgaagat gaaaagaag atcataaaaa   60
tgtgcgccaa caacggcagg cggcatctaa agcagcttct aaacagagag agatgctcat   120
```

```
ggaagatgtg ggcagtgagg aagaacaaga agaggaggat gaggcaccat tccaggagag    180
tatgtgaagt tgttttgtgt actttggttg tttggtcata attgtagttt gtgaccttgg    240
ttactttggc attttctagg atgctaaatg ttacaaccag tcccttaaat tgggtagata    300
ctccgtgtta aaagagatga ctgtattggt tcctgttaat attttttaaag gttcagagat    360
tctcacgatt gcccaccatt tgtaatggtt gcacccttta tttaatgatg tctgtgttca    420
aacactgaat gaacaatttg cttaagtaac agtcacatta ggcattgtga ttgagatttg    480
tattttgccc tggtggagga ggttgtagac ctctttcac agaaaaaaac atgttaataa    540
taaaatttag gtgtttcaca ggttattcag attagttaat tctatgtatt tttgttttgt    600
gtttggtttt cttgtttcac ttattcataa ttggaccaaa aaggccctgt cagttcagtt    660
ttgtttccct ggtctcaacc agtactactt ggaagtgatg gaactaccaa aagttatttg    720
atagtttcag tttttattca gattaactct tacccttcct gttttcaatc tacttttcaa    780
acacatcact catgtaactc tctcatgtaa ggtgcatgca aaatccattt gacaaatgag    840
gccagtgatg actccagtca aattggtagt acagctccaa atagaatcca agggtgtttg    900
actcccaaat cccatcctct agtcattctt agcactctct tccttttta cttggaagga    960
tgtgtacatt aagttagatg ttgaaattct tctttcttct cagaagattc cggcagcgat   1020
gaagatttcc taatggaaga tgatgacgat agtgactatg gcagttcgaa aaagaaaaac   1080
aaaaagatgg ttaagaagtc caaacctgaa agaaagaaa agaaaatgcc caaacccaga   1140
ctaaaggcta caggtaattt ctgcagaagt gaaattaaat ttactgcttt aaaaattttg   1200
agaatcatta ttttcaatac agaaattcct cattaggatt tggcattggc ctgatgttta   1260
gcaggaatac aagaaatcta aaagggtctt gtattctgca actggaagta tctcttatta   1320
ataaagacac tagcctgttt aagagtctag tgggcttagc catgttcttc aactactgcc   1380
agtacttgag caagatttca gaatgatcta tttgtttcag acacagtggt agaaacactg   1440
tgtcatcata gttgttactg ctcttttttc ctcactggta tcacagtctc agcagccagc   1500
aaagacttaa ttgtgaaaat gcacaaacct agagtaatac gtttaagttc cacgttctga   1560
actctacccc atcctctgtg ctatcagaat aaaaccacac ttgatgacat gagttgattt   1620
ttttctgagc cctaatggtt tctcctcgtt ggagctagtt tgttaactaa atcagaaatc   1680
aatttgcttt ttgtgtaggt ggttttattc tgttaggtag aactagtcat tgttaaactt   1740
ctgtttatca cttcctactg ttaggaatga tggaactatc aaatgttatt tgatggcttt   1800
agtttctgat cagattaatt cttttccttc cgtctttttg acctgctttt tataaacaac   1860
ttttatcata aacaactgtt agtttaccaa gcaattaagg atgttgtgca tattctatag   1920
catggtgctt cttcattaca ggtattactg ctaacatcat agagtgttgg taaaaactga   1980
tgggaaatac tgtagcatag tgtagtaact tatgaccagt ttagaaactg agatagattt   2040
acctagggat atatgtgctc ccttgtgccc accttggttt ttagtaagtt gcatattgtc   2100
tttatagatt ttattcttac agattgttgt attttgtagc tgactttttat taaagacatt   2160
tttttctctt cccttcccca aattattttt ctattttcag tgacgccaag tccagtgaaa   2220
ggcaaaggga aagtgggtcg ccccacagct tcaaaggcat caaaggaaaa gactccttct   2280
cccaaagaag aagatgagga accggaaagc ccgccagaaa agaaaacatc tacaagcccc   2340
ccacccgaga aatctgggga tgaagggtct gaagatgaag cccccttctgg ggaggattaa   2400
aagtgatgat ggtctgggga gagattttat taaaaaaaaa aagaaaaaag agggaggaaa   2460
aaaaagaacc tacttaagat agaacatggt tttggctatg gcttgactca tgggctttca   2520
gtgctttttt ccattgttg aaagtaacat ttctctctct ctctcttttt tttttttttt   2580
ttttaaagca aaccattgta tgtgtaagtg tttaagttac cttttgtct attggtctct   2640
ttgccagccc tccccttttcc caatgaaagc catgtcaaat taatcactgg attgactgct   2700
tcatctttt atttttaatg aaaggtgtac cacggttgta aagcaataag atttgagatg   2760
aacactattg aaacttcgct ttttgctaaa aaatagcaag ttgaatagta atcaaaaaac   2820
atagaaagat tttagttcaa aatgattgct cctttctcta cctggacttt taaaaaatca   2880
attgtcatct aatatgagtt tatttgtcta tagacacaag tatcaatgtc taaaaaaaat   2940
catgacttta aacttccacc gatgaggcag gtaggagata aagatgaatt ctgaactgtt   3000
actaaaagta ctcatttttt accttgtagg gagggtgggc aatggggtta cctgacctta   3060
tttgagggta tgggctttct tttttatttc atcacttgtt atctcaaaga gactcggagc   3120
cagtgatcct tttatcctgc tacagtcttt agggagctaa aaaaaaaaaa aaagcagggg   3180
ctgccaaaac tcttgatttc atatttcctt ctctaaatat atatgtatcc tgttttttgg   3240
ataaatttt accaagaatc caaaaaaaaa aaaacccta gaatttaatc aacaagatca   3300
gtctacaggt cacagtggat ttcttttcaa actgacaatg tttaggtttt aagcaaataa   3360
agttccagtt aatgtgaaac tcagtcacaa agagttgaga tttttccttt atgaaataga   3420
attgacattc ttttatgcta taaatgtgca ttcaggtccc attaaccatg ctctgctttt   3480
atttggggat agaacatttt cttttcata tcccgatctt cccatttctt catagaaatg   3540
tgataagaag tacatccctg tgatcctgct gcttcgtaga gcaccactgc acaccctacc   3600
ccgagtgcca accacctctg ctataggaca ctattttcct ggccctattc ttcacttact   3660
tcccatcctg tccttgacta ggaatatgtt aaatgctgct cccatacaat tcagttagct   3720
cttgtctttt tatttggtcc aacccctgct ttactgctca tgctgcttaa agcaggaggg   3780
```

```
actagagaaa caaggcattt taggaggcct gtgtgcagtt gaaaaccgac ttttacacgc    3840
cttataaaag cagtcaggag atagatccgt aggtttgatc cttcacatct aataccaggc    3900
gctaatggga acaaggttta aagggtcctg gtatgctaat aaaattgaaaa attagtgaaa    3960
tttaaacttc tgcctttttt tcctgccttt taatctagat ttgcttcctc aatatcctac    4020
tttgtggttt actaggaaca tgcttactct gatctttttt taaaaaacac acagtggcag    4080
agtcatttca ctattgcact gtgtgttaaa gaatgaataa ggagttttca gttacatggc    4140
caaaaataca ggacttgaac ataaatagca gttggatcat tctctttcat gacggttaaa    4200
ttcagaggtg tgaactttgt aatgaggggtg ttaaagatta atctatttgc ctaaatgggt    4260
ttgttcaggt atccattttt aacaaagaag tttgtgttca tatagtaaaa gacctatcag    4320
tgtttccacc atgcacttct attttttagg agtttataat tttaagtctt acattcctag    4380
taacatttgg gcttttctta ggttatgttt cgtgaagatt tggggggagg gctcttttaa    4440
aacttcagcc tcagttgttt aacagtctct ttaatatatt aatctgcact aacatctctg    4500
tgatatatgc acatatttta gaggtaatca tgtcttctag attacttgtg tgcatttgat    4560
tgggcttctt gtttagggtc ccttttaaaa ttaattcatt agattgaaaa atgtattcta    4620
tatttctgat agactggaca gaaggatctg tgtccccaag tgagacaggc tctgaataac    4680
ctttgttttc tccacttttt attgatgatt taaaacactc tagtcttccc ctcaaatcat    4740
gcatgcaaat aggaggacag tggtggtgac tcaactggat acaggtgctc aatagtcagg    4800
cttgatagtg atgtcaggac gcattacaag ctgtaagccg atactgactg gccattggca    4860
ccatccttga ctaaccttcc tcttttttctc tagtgtgcct atggtgaaat ggcaatagca    4920
ttcactgtcg tattttgcag tgctcaggaa gtgggacgtt aactttgaag gtgcttgttt    4980
gtattagctc tgctaggttt acctctacaa cgtagatttc agcagctatg ctgactgaca    5040
ctacattcta gttcttaaga ttttttttcc agatcccccc ttccccagct agacatacgt    5100
agcatacttt catcttattc agtctttctg taacctgctg ctgctttttag tcctcctcac    5160
ctcagatcgg aatcaatgga gtgggcccag aggatacatt ttaattccag taatggtagg    5220
tagatttgtc ctgctttcta aaacatctcc tcatttcata tttccactcc atattgattc    5280
cataagggaa aattaatggg tgtttcctcc tttagggagg taatgcaaag agtgtggaca    5340
tcttctaatc ttgaggaaca gtagttgatt tcccttgaag gagcttacat attgactgtt    5400
ttcacaataa cctgtttgcc ccagttcaat cctcatttta atacttaatt tggtactggc    5460
tcaaatagca ttttcttaca gataacaaat caagagtgaa atttgaggtt atactccagt    5520
aaagttttta acacttgtga atatggtcag ctagactaaa cttgactctt ttttttaatg    5580
gcttttttat ctgtgaacat tcagataagt ggattttcaa gtactggttg gggatgggaa    5640
tcgtgctttt cttttaaactt cagtttacga gatgctttga gagcgttagg caaaagcaga    5700
aataaatatc aggagcaacg gggaaagctt tataaaagat catggtggcc actgttgcag    5760
ctttgaagaa tgagtgctgg cttgaacagt tctttgcctg catcattggt agctgcactg    5820
aaaggaaaaa actttcacct taagaatttg aaaaggaaga aacctgggct ctggtcttca    5880
tggcatttag actgagatgc ttaaacagaa cagaagtaat acgcatttcc tgccatagga    5940
tagggaaaat gtaacaagct ggttgctctt gaggttagaa aattgtctgt ttctctgtgg    6000
atgaagctgg atttacttga aaatggagag ttggcttatt gtttgaatat tgggacatca    6060
agctatctat agccaagttt cagtcgcaac cagtttttccc tttgtctggg gtaaattcga    6120
tacaaaatga ttcttttttga atcctgaatc cataaattac acttttttttt ttcaaattca    6180
caaaattcac agtggtgctg actgtgtaat aaccactatt gggaaacatc ccgtaaacct    6240
gcctgttgcc atgccaatgg agtgactgaa ctggtgacat ctgtttgagc atgctttgtg    6300
tggctggtag aatgccaccg ttgtgcatac actttgtaca tcaggggtga agggagggtt    6360
ttctagatta ttggggaggg gtaaaattgg gatttttttg ttgttccttt tttgatgggg    6420
tgtgggggta tagtactcag cttatgccct aaaataacat gtataaaaac ccctgaagta    6480
ttgtgtgggt gtgtacgtgt gagtgtgtgt ttgtatacgt ctggcaatta aagctttgtc    6540
ttctggaact tagtgaattc ttttctcttt ttcctccaga agtatttgtt acaagatttg    6600
taaataagag ctctacttag tttgtttacc atgaacatgt tgcagcaaac cttatgcatc    6660
taattcctac aaggttaaag aaaggctttt agacttgcca ggttaagcaa cagccaagtt    6720
ctcagtaatt gtttgccttg atttatcttt tagacttcat tttgccagct ctaaaactcc    6780
cagtcttcct tgatttttagt ccttaatctt ttatgttctg agcaggaagg gtaaaagaca    6840
ggaacctgct tcactgtatt aactagtcca tgggctgaga ccggggcatc tctttttcttc    6900
atactgcaat gttgctagat acatgatcag acaccagagg gttgggcatt cttgcaatac    6960
cttaacagtg ctgaaatctg cagcatggta ctaaggaagt taaagtttga atgtaaccac    7020
tttatttaaa aggttttttt ctttaattta aatgaaatgg ggttgaagtg aacatgattt    7080
tgttgaccat gttcgtgaat tacagatgca acatgcattg gtagaatcgt gtgatggtct    7140
tttgtgatac ttaatttta catatcccag tctctgtatg tatctgcata gacaaagaaa    7200
aaacaaactc ctgctttgct tttattgaag ggttccagg actgcgtgtc tgctcctgag    7260
ctctgttta agtatgtgta tcctttgctt gtattttgta ttaaaaaat aagaaaaaga    7320
agcctttatt gttgagcatg ttggcattgt ccccttttatt ttttctctt tttgggacat    7380
atgaagcaag ttattctttt tctgtatctt tttttcttttt gtaaacttttt ttttgttttt    7440
```

```
gtttaaaaat ggctttataa aagggctttt ataacccaga tgtgtgctct gtgtacttct    7500
tgtaatacct taaagcaaac acactaactt acacagcttt gttaatcagc tcccagttca    7560
gcctgacttt gtgggaactt atttccctaa taaattattt agaaactta acagtgacca     7620
tccctgttgt tggtaaaaga taaacatgtc ttggttcaaa agttaatacc tcaggatgga    7680
atcaagaagc agtagactta ccagtttgat taattaaggg agcactggac tgggtgcgta    7740
aggattctta attagcattt tttctcatgt ttacatccaa ggttatgaag tgttgtggaa    7800
agcaaagttt aacaatcata tataataaaa gataatgttt atactcacag aa            7852


<210> 11546
<211> 10562
<212> DNA
<213> Homo sapiens

<400> 11546
atagtgagga ctcagaagac aaagatgtga agaccaagaa ggatgattct cactcagcag      60
gtagtaaact attttaaatg taagaggtat aattatattt gtatattatt ttattagatg     120
ttttaataag tgatttctat gccaggcact gttgcaaatc tgggattaca aagacgtttc     180
catcttcaaa gagctcctaa tgattgtcag tcctggtggc ttattacagt catctatgaa     240
tctttttaa aatgcatatt ctgggtcctg tcccaaaatt tctgattaaa tagatctaag      300
tgggatgttg gggcttggtt ttctttaagt atctatacat tattcttatg cacagtcaat     360
attggaaatc atttacgtaa acaaaagaca tcaaactaaa tagaataata tataaatata     420
aaacttggta aaataggggc ataaaaaggg ggagtggtgg actctgggtg gaaaagcaaa     480
tgaaagtttc attcccactc tttttagtgg agacatagcc ttttgtaaca gtagccatag     540
agaaagtttt ttttgtaaaa attttaactt aaattaatat gaattaatgg ggagtctcca     600
tggccaaata aaatgttcag tcctgatgat tctacttgtt gttggtattt attttttaaat    660
ttaatcttct aagaattgag attttttaatc catattactt ccagccactt tagttttgac    720
ctacattccc ttgctgttgt ctccctggat ctcccttaa atgagactgc tgtttagcta     780
atacaaaggg gagagacaaa gttctgctaa attcactctg cttagctgtt ttgctttccc     840
tcctattcaa gtatactatc tggctaccta agttgaaaag aaactgtatt aatcttttgc     900
actatctggt gatcctgtga taatagagta tatgctttca gtcatttgcc ttgtaaatcc     960
tagtttgaat ctcttacact tgctagttta ttgagcactt ctagataaat aactctgtac    1020
tagtattaag ctaagcttct accaagtggg tttagttttg ggtcggccat gtcagcttta    1080
ttctgtttgt ctctagatga gatttttaaa agtgaaagag atgacttgaa cactgactat    1140
ggcaaggctc atgggactag aagtgttttc agaaaagggc tgtaggtaga gactaaggca    1200
aatatggttt agtctagagg cagtaggctg gcagcctacc ctttaaccaa atttattcac    1260
aaacacaact gtgtgttaaa aaaatttttt ttaggctgag catggtggct cccacccgcc    1320
atcccagcac tttgggaggc caaggtgggt ggatcacctg aggtcaaggg ttcaagacca    1380
gcctggccaa catggcaaaa ccctgtctct atcaaaaata caaaaatttg gctgagcccg    1440
gtggctcatg cctgtaatcc cagcactttg ggaggccaag gcaggtggat cacctgaggt    1500
caggagttcg agaccagcct ggccaacatg gcaaaactcc ttctctacta aaaataaaaa    1560
aattagccgg gtgtggtggt gggtgcctgt aatcccagct actcgggagg ccgaggcagg    1620
agaatcactt gaacctggga ggcagaggtt gcagtgagct gagatcccac tgttgtactc    1680
cagcctaagc aagaagagca aaactccatc tcaaaaaaca aacaagcaaa caacaacaag    1740
aaattagccg ggcatggctg catgtgcctg gagtcctagc tactcgggag gatgagacag    1800
gagaatagct tgaacccagg aggcacaggc tgcaatgagc caagattgca ccactgcact    1860
ccaatctggg cgacagagtg agactccaaa ttaaaaaaaa aaaattttt ttttcattaa     1920
tagactctaa gaatatgtga aagtaaattt tttataggct tctccaaatg tcttttcacta    1980
attaatctaa atatgtattt taaagatttt ccagctgggc gcagtggctc acgcctgtaa    2040
ttccagcact ttgggaggcc aaggagggtg gatcacctga ggtcgggagt tcgagaccag    2100
cctgaccaac atggtgaaac cctgtctcta ctaaaaatac aaaattagcc aggagtggtg    2160
gtgcgcacct gtaatcccag ctactcggga gggtgaggca ggagaatcgc ttgaacctgg    2220
gaggtgaggt tgcagtgagg cgagattgcg ctatattgca ctccagcctg ggcaacaaga    2280
gcaaaactcc atctcaaaaa aaaaaaaaag gttttccaca atccctcta aattgaaatg      2340
gtcacaagcc attcattgta aagggtaaca gtttgacatt attttagggt tttcgtgttt    2400
tatgtcttag aataaagatt attggaagac attctttctc tctcatacta tgttaagata    2460
tttttctaac tttagctttc aaaaacagtg aacatagatt tgaatgtaat tgagaattgt    2520
agagcaaagc aatgatgtaa ctttaaagta taggagtcat gtattcacgc tttaattcag    2580
cttgtctact gcttaaaatt acattccctt gttactttat atgtaatagt ggttacatag    2640
tcttgtccaa gttcattctt tgtgaattta ggtccccttt atacattttg tagaattttt    2700
tttttttta tgttgtggga tacatgtgca ggatgtgcag gtttgttaca tacgtaaatg     2760
```

10052

```
tgtgccatgg tgatttgctg cacccatcaa cccatcacct aggtattaag cccagcatgc   2820
attagctaat ttttaatgct ctccctctcc atcccccac cctgcccct ccctcgccac       2880
aggccccagt gtgtgttgtt ccctccctg tgtccatgtg ttctcattgt tcagctccca      2940
cttataagcg agaacatggc agtgtttggt cttttgtgcc tgcattagtt tgctgaggat     3000
aatggcctcc agctccatcc atgtccctgc aaagagcatg atctccttcc cttttatgg      3060
ctgcatagta ttccatggtg tgtatgtacc acattttctt tatccagtct atcattgatg     3120
ggcatttgag ttgattccat cattttgcag aaatgttgaa ggatagaatt tgccctttta     3180
caatgaaata aagctgcaga ttatatccta tattggccac tgtgttggcc ttttcagtca     3240
gttatgtttt cagtcaatta ttaatctttt gcactatctt gtcaaatata aaattctta      3300
atcattatat catggtaatt ctgatattgc agaggatagt gaagatgaaa aagaagatca     3360
taaaaatgtg cgccaacaac ggcaggcggc atctaaagca gcttctaaac agagagagat     3420
gctcatggaa gatgtgggca gtgaggaaga acaagaagag gaggatgagg caccattcca     3480
ggagagtatg tgaagttgtt ttgtgtactt tggttgtttg gtcataattg tagtttgtga     3540
ccttggttac tttggcattt tctaggatgc taaatgttac aaccagtccc ttaaattggg     3600
tagatactcc gtgttaaaag agatgactgt attggttcct gttaatattt ttaaaggttc     3660
agagattctc acgattgccc accatttgta atggttgcac cctttatttta atgatgtctg    3720
tgttcaaaca ctgaatgaac aatttgctta agtaacagtc acattaggca ttgtgattga     3780
gatttgtatt ttgccctggt ggaggaggtt gtagacctct tttcacagaa aaaaacatgt     3840
taataataaa atttaggtgt ttcacaggtt attcagatta gttaatccta tgtatttttg     3900
ttttgtgttt ggtttcttg tttcacttat tcataattgg accaaaagg ccctgtcagt        3960
tcagttttgt ttccctggtc tcaaccagta ctacttggaa gtgatggaac taccaaaagt     4020
tatttgatag tttcagtttt tattcagatt aactcttacc cttcctgttt tcaatctact     4080
tttcaaacac atcactcatg taactctctc atgtaaggtg catgcaaaat ccatttgaca     4140
aatgaggcca gtgatgactc cagtcaaatt ggtagtacag ctccaaatag aatccaaggg     4200
tgtttgactc ccaaatccca tcctctagtc attcttagca ctctcttcct tttttacttg     4260
gaaggatgtg tacattaagt tagatgttga aattcttctt tcttctcaga agattccggc     4320
agcgatgaag atttcctaat ggaagatgat gacgatagtg actatggcag ttcgaaaaag     4380
aaaaacaaaa agatggttaa gaagtccaaa cctgaaagaa aagaaaagaa aatgcccaaa     4440
cccagactaa aggctacagg taatttctgc agaagtgaaa ttaaatttac tgctttaaaa     4500
attttgagaa tcattatttt caatacagaa attcctcatt aggatttggc attggcctga     4560
tgtttagcag gaatacaaga aatctaaaag ggtcttgtat tctgcaactg gaagtatctc     4620
ttattaataa agacactagc ctgtttaaga gtctagtggg cttagccatg ttcttcaact     4680
actgccagta cttgagcaag atttcagaat gatctatttg tttcagacac agtggtagaa     4740
acactgtgtc atcatagttg ttactgctct ttttcctca ctggtatcac agtctcagca      4800
gccagcaaag acttaattgt gaaaatgcac aaacctagag taatacgttt aagttccacg     4860
ttctgaactc taccccatcc tctgtgctat cagaataaaa ccacacttga tgacatgagt     4920
tgattttttt ctgagcccta atggtttctc ctcgttggag ctagtttgtt aactaaatca     4980
gaaatcaatt tgcttttgt gtaggtggtt ttattctgtt aggtagaact agtcattgtt       5040
aaacttctgt ttatcacttc ctactgttag gaatgatgga actatcaaat gttatttgat     5100
ggctttagtt tctgatcaga ttaattcttt tccttccgtc tttttgacct gctttttata     5160
aacaactttt atcataaaca actgttagtt taccaagcaa ttaaggatgt tgtgcatatt     5220
ctatagcatg gtgcttcttc tttacaggta ttactgctaa catcatagag tgttggtaaa     5280
aactgatggg aaatactgta gcatagtgta gtaacttatg accagtttag aaactgagat     5340
agatttacct aggatatat gtgctccctt gtgcccacct tggttttag taagttgcat        5400
attgtcttta tagattttat tcttacagat tgttgtattt tgtagctgac ttttattaaa     5460
gacatttttt tctcttccct tccccaaatt attttctat tttcagtgac gccaagtcca       5520
gtgaaaggca aagggaaagt gggtcgcccc acagcttcaa aggcatcaaa ggaaaagact     5580
ccttctccca aagaagaaga tgaggaaccg gaaagcccgc cagaaaagaa aacatctaca     5640
agcccccac ccgagaaatc tggggatgaa gggtctgaag atgaagcccc ttctggggag       5700
gattaaaagt gatgatggtc tggggagaga ttttattaaa aaaaaaaga aaaaaaaga        5760
aaaaagaggg aggaaaaaaa agaacctact taagatagaa catggttttg gctatggctt     5820
gactcatggg ctttcagtgc ttttttccat ttgttgaaag taacatttct ctctctctct     5880
cttttttttt tttttttttt aaagcaaacc attgtatgtg taagtgttta agttaccttt     5940
ttgtctattg gtctctttgc cagccctccc ctttcccaat gaaagccatg tcaaattaat     6000
cactggattg actgcttcat cttttttattt ttaatgaaag gtgtaccacg gttgtaaagc     6060
aataagattt gagatgaaca ctattgaaac ttcgctttt gctaaaaaat agcaagttga       6120
atagtaatca aaaaacatag aaagatttta gttcaaaatg attgctcctt tctctacctg     6180
gacttttaaa aaatcaattg tcatctaata tgagtttatt tgtctataga cacaagtatc     6240
aatgtctaaa aaaaatcatg actttaaact tccaccgatg aggcaggtag gagataaaga     6300
tgaattctga actgttacta aaagtactca ttttttacct tgtagggagg gtgggcaatg     6360
gggttacctg accttatttg agggtatggg ctttcttttt tatttcatca cttgttatct     6420
```

10053

```
caaagagact cggagccagt gatccttta tcctgctaca gtctttaggg agctaaaaaa    6480
aaaaaaaaag caggggctgc caaaactctt gatttcatat ttccttctct aaatatatat    6540
gtatcctgtt ttttggataa aattttacca agaatccaaa aaaaaaaaaa ccctagaatt    6600
taatcaacaa gatcagtcta caggtcacag tggatttctt ttcaaactga caatgtttag    6660
gttttaagca aataaagttc cagttaatgt gaaactcagt cacaaagagt tgagattttt    6720
cctttatgaa atagaattga cattctttta tgctataaat gtgcattcag gtcccattaa    6780
ccatgctctg cttttatttg gggatagaac attttctttt tcatatcccg atcttcccat    6840
ttcttcatag aaatgtgata agaagtacat ccctgtgatc ctgctgcttc gtagagcacc    6900
actgcacacc ctaccccgag tgccaaccac ctctgctata ggacactatt ttcctggccc    6960
tattcttcac ttacttccca tcctgtcctt gactaggaat atgttaaatg ctgctcccat    7020
acaattcagt tagctcttgt ctttttattt ggtccaaccc ctgctttact gctcatgctg    7080
cttaaagcag gagggactag agaaacaagg cattttagga ggcctgtgtg cagttgaaaa    7140
ccgactttta cacgccttat aaaagcagtc aggagataga tccgtaggtt tgatccttca    7200
catctaatac caggcgctaa tgggaacaag gtttaaaggg tcctggtatg ctaataaatt    7260
gaaaaattag tgaaatttaa acttctgcct tttttcctg ccttttaatc tagatttgct    7320
tcctcaatat cctactttgt ggtttactag gaacatgctt actctgatct tttttttaaaa    7380
aacacacagt ggcagagtca tttcactatt gcactgtgtg ttaaagaatg aataaggagt    7440
tttcagttac atggccaaaa atacaggact tgaacataaa tagcagttgg atcattctct    7500
ttcatgacgg ttaaattcag aggtgtgaac tttgtaatga gggtgttaaa gattaatcta    7560
tttgcctaaa tgggtttgtt caggtatcca ttttttaacaa agaagtttgt gttcatatag    7620
taaaagacct atcagtgttt ccaccatgca cttctatttt ttaggagttt ataattttaa    7680
gtcttacatt cctagtaaca tttgggcttt tcttaggtta tgtttcgtga agatttgggg    7740
ggagggctct tttaaaactt cagcctcagt tgtttaacag tctctttaat atattaatct    7800
gcactaacat ctctgtgata tatgcacata ttttagaggt aatcatgtct tctagattac    7860
ttgtgtgcat ttgattgggc ttcttgttta gggtcccttt taaaattaat tcattagatt    7920
gaaaaatgta ttctatattt ctgatagact ggacagaagg atctgtgtcc ccaagtgaga    7980
caggctctga ataacctttg ttttctccac tttttattga tgatttaaaa cactctagtc    8040
ttcccctcaa atcatgcatg caaataggag gacagtggtg gtgactcaac tggatacagg    8100
tgctcaatag tcaggcttga tagtgatgtc aggacgcatt acaagctgta agccgatact    8160
gactggccat tggcaccatc cttgactaac cttcctcttt ttctctagtg tgcctatggt    8220
gaaatggcaa tagcattcac tgtcgtattt tgcagtgctc aggaagtggg acgttaactt    8280
tgaaggtgct tgtttgtatt agctctgcta ggtttacctc tacaacgtag atttcagcag    8340
ctatgctgac tgacactaca ttctagttct taagattttt tttccagatc cccccttccc    8400
cagctagaca tacgtagcat actttcatct tattcagtct ttctgtaacc tgctgctgct    8460
tttagtcctc ctcacctcag atcggaatca atggagtggg cccagaggat acattttaat    8520
tccagtaatg gtaggtagat ttgtcctgct ttctaaaaca tctcctcatt tcatatttcc    8580
actccatatt gattccataa gggaaaatta atgggtgttt cctcctttag ggaggtaatg    8640
caaagagtgt ggacatcttc taatcttgag gaacagtagt tgatttccct tgaaggagct    8700
tacatattga ctgtttttcac aataacctgt ttgccccagt tcaatcctca ttttaatact    8760
taatttggta ctggctcaaa tagcattttc ttacagataa caaatcaaga gtgaaatttg    8820
aggttatact ccagtaaagt ttttaacact tgtgaatatg gtcagctaga ctaaacttga    8880
ctcttttttt taatggcttt tttatctgtg aacattcaga taagtggatt ttcaagtact    8940
ggttggggat gggaatcgtg ctttcttta aacttcagtt tacgagatgc tttgagagcg    9000
ttaggcaaaa gcagaaataa atatcaggag caacggggaa agctttataa aagatcatgg    9060
tggccactgt tgcagctttg aagaatgagt gctggcttga acagttcttt gcctgcatca    9120
ttggtagctg cactgaaagg aaaaaacttt caccttaaga atttgaaaag gaagaaacct    9180
gggctctggt cttcatggca tttagactga gatgcttaaa cagaacagaa gtaatacgca    9240
tttcctgcca taggatgggg aaaatgtaac aagctggttg ctcttgaggt tagaaaattg    9300
tctgtttctc tgtggatgaa gctggattta cttgaaaatg gagagttggc ttattgtttg    9360
aatattggga catcaagcta tctatagcca agttcagtc gcaaccagtt ttccctttgt    9420
ctggggtaaa ttcgatacaa aatgattctt tttgaatcct gaatccataa attacacttt    9480
ttttttttcaa attcacaaaa ttcacagtgg tgctgactgt gtaataacca ctattgggaa    9540
acatcccgta aacctgcctg ttgccatgcc aatggagtga ctgaactggt gacatctgtt    9600
tgagcatgct ttgtgtggct ggtagaatgc caccgttgtg catacacttt gtacatcagg    9660
ggtgaaggga gggtttctta gattattggg ggagggtaaa attgggattt tttggctatg    9720
cctatacata cagagactgg gatatgtgaa aattaagtat cacaaaagac catcacacga    9780
ttctaccaat gcatgttgca tctgtaattc acgaacatgg tcaacaaat catgttcact    9840
tcaaccccat ttcatttaaa ttaaagaaaa aaaccttta aataaagtgg ttacattcaa    9900
actttaactt ccttagtacc atgctgcaga tttcagcact gttaaggtat tgcaagaatg    9960
cccaaccctc tggtgtctga tcatgtatct agcaacattg cagtatgaag aaaagagatg   10020
ccccggtctc agcccatgga ctagttaata cagtgaagca ggttcctgtc ttttacccctt   10080
```

10054

```
cctgctcaga acataaaaga ttaaggacta aaatcaagga agactgggag ttttagagct    10140
ggcaaaatga agtctaaaag ataaatcaag gcaaacaatt actgagaact tggctgttgc    10200
ttaacctggc aagtctaaaa gcctttcttt aaccttgtag gaattagatg cataaggttt    10260
gctgcaacat gttcatggta aacaaactaa gtagagctct tatttacaaa tcttgtaaca    10320
aatacttctg gaggaaaaag agaaaagaat tcaataagtc ccccaaaaca aagctttaat    10380
tgccagatga atacaaacac acactcacac gtacacaccc acacaatact tcaggggttt    10440
ttatacatgt tattttaggg cataagctga gtactatacc cccacacccc atcaaaaaag    10500
gaacaacaaa aaaatgacaa ttttaccctc ccccaataat atagaaaacc ctcccttcac    10560
cc                                                                   10562


<210> 11547
<211> 608
<212> DNA
<213> Homo sapiens

<400> 11547
ctgaactaca attccttttt ttggggggg tggggatgga gtcttgctct gccacccaag      60
ctggagtgca gcggtgcaat cctagctcac tgcaacctct gcctcctggg ttcaagtgat     120
tctcctctct cagcctcccg agtagctgag attacaacca tgcaccacca cgcctggcta     180
atatttgtat ttttagtaga gacagggttt caccatgtta gccaggctgg tcttgaactc     240
ctggcctcca gcaatctgcc tacctcagcc acccaaactg ctgagattac aggcgtgagc     300
caccacgccc ggactacagt tccttttaat aattttagat attttagcag ttttcttgt      360
gtatatttag tgatctttat ttgccatcaa cactatgtat ttttagtatt tttatactct     420
gcctctgttc gagaatattt ttcttattaa atattcttgt gaaccaagct ttatccatag     480
gtgaaaaaat tccagcctgt gttgagacag cttctttttt tcctttgagt ctttggaagc     540
agtgttttgt aacgtaaata aaattgtgct tattcaccag catccctgta aataaggaaa     600
taaagtac                                                              608


<210> 11548
<211> 3367
<212> DNA
<213> Homo sapiens

<400> 11548
ggtgagttat gcatatctga aaatgaaaga aggcttgttt ctaaagaggc ttggagcaaa      60
ctgcagcagt actttccaaa ggctcctgag tttccaagtt acaaagagtg ctgttcacag     120
tgcaaggtac tgaacgctac tgacatctgg ggaaatggca tgccacctcc ctgggttgac     180
ttcccagggg aattaacact gtacttctga cggggggtgta gggaggaggc aggtcatgtg     240
ctgtcagcag gagacagttg attgcttcat tctctttcag attttagaaa gagaagggga     300
agaaaatgaa gccttacata agatgattgc aaacgagcaa aagacttctc tcccaaattt     360
gttccaggat aaaaacagac cgtgtctcag taactggcca gaggtataat gattcccaca     420
aagaaagaa tgcatctttt cttttaaag cccttgccaa attcccagtg agctatttca     480
gaacaaccca gaacttctca tattctcatt tgtttagtta tctaaccagg ggatttactc     540
cagcctgcta tttttttggta gaggactgtg ttttcatttt atttataaaa cttgaataag     600
gacaaccaaa gtatattata aggaatttgt gttaagcagg cggtgaattg acggatactg     660
ttttgtgatt tttgtgttct aggatacgga tgtcctctac atcgtgtctc agttctttgt     720
agaagagtgg cggaaatttg ttaggtagaa acaaaatatg ttttatttcc tttattgtta     780
ctgatttggt tgcctctggt attttttaag atatcgtgga ttctgtttgt tgtacccttc     840
cttcatggtt actttccacca gcatacactg aaagctttct tttctattaa attaaatgaa     900
taagcctaag aaacacattg aattactaat attttcttaa atatatctct gattttgaaa     960
taattatttt aaaatcttct ctttcgtcat gcagtaatta ggtatatttc tcctccttgt    1020
ctcatttgag tagaaagcct acaagatgca gccctgtgtc atcagttggg aacagtgctc    1080
ttttgtgtcc ccacggggggc ctcatgttta catttgcttc catgaccaaa gaagattcta    1140
aactgtgagt tccttctctt catgtgattt ttttttcttc ttttctcttt ttgatgatta    1200
ataaaatatg tttaggaaat ttctcatctg acatagtctg ttttaagaat ttagtccttt    1260
gctgaattgt ggggtttttt tttccccttt taaaagagaa gaagactgct ctccaggaa     1320
agacaagagg ctgcccgagg ctatttgtct ttttgctctt tccttgtccc tcttgaagac    1380
aacacagcca cccttctct tccccgctg ctggtgacca gtgctgagac ctctttccca     1440
gaatcacaga atcaacatgg tcttggttat aggttttgtt ctgccatggc caggcttcag    1500
```

```
acaattaaag gaggaggcta gcagggtggc agagcaaagc cactgcactg gtcatctgga   1560
attctagggt cttagaaccc aaatttttatt ccatgcttca agtacttcca gaggtgttca   1620
tctgtgaatt tctcccgatt ttaccaaaaa tcgtgatata cgagaaggta gaatgcttcc   1680
aacattgtca gaaaatcagg aaaaggaaat tggaacacat aaataaaaat gcccttgggg   1740
ttaagctaga gtttttattat tcatatttca gtactttaac atcatttaag ggagttcaaa   1800
gtttatatat tctctacatt ttctccctcc tctttctctc cctccctctc tgcatcccgc   1860
cttccctgtt gctctctcac tctcgctgtg catctctctt ctctttcctc cctccctttc   1920
ttcctgtcgt tgttattgca aatgtcagac ttccaggaaa atacaccagt aagcaaatgt   1980
gtgttaccat tcagtttaaa agttaaatgg ttcaaatatg attaaaggcc ccacagtgct   2040
tatccttctg ttgctacttc tctttctccc acccttcctc tcacactaac cactgtactg   2100
aatttagagt ttatctgtct cagaaagtat tctgtaaaaa aaaaaaatgc acgcacataa   2160
tgtcttgcat atttaaaact ttttatataa atggcaccat actgtattta tacttctgca   2220
actaacttat tttactcaat tatgttttttg agatctaacc atgttgattc atgtaatttc   2280
agtccattta gtttcgctgc tgtggtaaca ttcctttgta tgaaaaacta ttctttgttg   2340
atgatacgta tctttttctct ctaattcctt tggattaaat gttagtgtta atggttttgg   2400
tttagcagac taatggatta tgttaattct cttaatttcc atgtgtctta aggcatgttg   2460
tgtttttttt ttgcacagta tagctctcat atggcccagt gagtggcaaa tgatacaaaa   2520
gctctttgtt gtggatcatg taattaaaat cacgagaatt gaagtgggag atgtaaaccc   2580
ttcagaaaca cagtatattt ctgagcccag taagtttttca tattgctttc ggtttctata   2640
gttaagagct gacattttaa gaagaaaggg tgtgtcagtg ttgtctgctt aaagttaaag   2700
atcatgcggc ggtcccaact ccctaggtgg aaactctcat tataatcatc ccattatttg   2760
tacgtttatt tatggacagt aaatggattt ccttatcatt tgcatgtaat agaatatagt   2820
ggttaataga aaatattatt aagagtttgg gccagcacac tagctcatac ctataatcct   2880
aatactttga gagactaggg tggaaggatt gcttaaggcc aggagtttca gaccagcctg   2940
agcaacataa caagaccttc tctctacaaa ataataaaaa tgtagcacat atctgtagtc   3000
ttgagctact cgctgagagg ctgagtcagg agcatggctt gagcccagaa gcttgaggct   3060
acagtgagct atgttcatac cactgtaccc cagcctgggt gacacagcaa aaccttgtct   3120
caaaaaaaga aaatgttact aagagtttaa tgaatattca ctagtaactt tgacgtatgt   3180
ttttagatct ttgattcttt aacaatgatt cctcagccac ttctgttttc cctttttttt   3240
ttcccccaaa gaactctgtc cagaatgcag agaaggctta ttgtgtcagc agcagaggga   3300
cctgcgtgaa tacactcaag ccaccatcta tgtccataaa gttgtggata ataaaaaggt   3360
actggtc                                                              3367
```

```
ggtgagttat gcatatctga aaatgaaaga aggcttgttt ctaaagaggc ttggagcaaa    60
ctgcagcagt actttccaaa ggctcctgag tttccaagtt acaaagagtg ctgttcacag   120
tgcaaggtac tgaacgctac tgacatctgg ggaaatggca tgccacctcc ctgggttgac   180
ttcccagggg aattaacact gtacttctga cgggggtgta gggaggaggc aggtcatgtg   240
ctgtcagcag gagacagttg attgcttcat tctctttcag attttagaaa gagaagggga   300
agaaaatgaa gccttacata agatgattgc aaacgagcaa aagacttctc tcccaaattt   360
gttccaggat aaaaacagac cgtgtctcag taactggcca gaggtataat gattcccaca   420
aaagaaagaa tgcatctttt ctttttaaag cccttgccaa attcccagtg agctatttca   480
gaacaaccca gaacttctca tattctcatt tgtttagtta tctaaccagg ggatttactc   540
cagcctgcta ttttttggta gaggactgtg ttttcatttt atttataaaa cttgaataag   600
gacaaccaaa gtatattata aggaatttgt gttaagcagg cggtgaattg acggatactg   660
ttttgtgatt tttgtgttct aggatacgga tgtcctctac atcgtgtctc agttctttgt   720
agaagagtgg cggaaatttg ttaggtagaa acaaaatatg ttttatttcc tttattgtta   780
ctgatttggt tgactctggt attttttaag atatcgtgga ttctgtttgt tgtacccttc   840
cttcatggtt actttcacca gcatacactg aaagctttct tttctattaa ttaaatgaat   900
aagcctaaga aacacattga attactaata ttttcttaaa tatatctctg atttttgaaat   960
aattatttta aaatcttctc tttcgtcatg cagtaattag gtatatttct cctccttgtc   1020
tcatttgagt agaaagccta caagatgcag ccctgtgtca tcagttggga acagtgctct   1080
tttgtgtccc cacggggggcc tcatgtttac atttgcttcc atgaccaaag aagattctaa   1140
actgtgagtt ccttctcttc atgtgatttt ttttcttct tttctctttt tgatgattaa   1200
taaaatatgt ttaggaaatt tctcatctga catagtctgt tttaagaatt tagtcctttg   1260
```

10056

```
ctgaattgtg gggttttttt ttcccctttt aaaagagaag aagactgctt ctccaggaaa   1320
gacaagaggc tgcccgaggc tatttgtctt tttgctcttt ccttgtccct cttgaagaca   1380
acacagccac cctttctctt ccccgctgc tggtgaccag tgctgagacc tcttttccag   1440
aatcacagaa tcaacatggt cttggttata ggttttgttc tgccatggcc aggcttcaga   1500
caattaaagg aggaggctag cagggtggca gagcaaagcc actgcactgg tcatctggaa   1560
ttctagggtc ttagaaccca aattttattc catgcttcaa gtacttccag aggtgttcat   1620
ctgtgaattt ctcccgattt taccaaaaat cgtgatatac gagaaggtag aatgcttcca   1680
acattgtcag aaaatcagga aaaggaaatt ggaacacata aataaaaatg cccttggggt   1740
taagctagag ttttattatt catatttcag tactttaaca tcatttaagg gagttcaaag   1800
tttatatatt ctctacattt tctccctcct ctttctctcc ctccctctct gcatcccgcc   1860
ttccctgttg ctctctcact ctcgctgtgc atctctcttc tctttcctcc ctcccttttct   1920
tcctgtcgtt gttattgcaa atgtcagact tccaggaaaa tacaccagta agcaaatgtg   1980
tgttaccatt cagtttaaaa gttaaatggt tcaaatatga ttaaaggccc cacagtgctt   2040
atccttctgt tgctacttct ctttctccca cccttcctct cacactaacc actgtactga   2100
atttagagtt tatctgtctc agaaagtatt ctgtaaaaaa aaaaaatgca cgcacataat   2160
gtcttgcata tttaaaactt tttatataaa tggcaccata ctgtatttat acttctgcaa   2220
ctaacttatt ttactcaatt atgttttttga gatctaacca tgttgattca tgtaatttca   2280
gtccatttag tttcgctgct gtggtaacat tcctttgtat gaaaaactat tctttgttga   2340
tgatacgtat ctttctctc taattccttt ggattaaatg ttagtgttaa tggttttggt   2400
ttagcagact aatggattat gttaattctc ttaatttcca tgtgtcttaa ggcatgttgt   2460
gtttttttttt tgcacagtat agctctcata tggcccagtg agtggcaaat gatacaaaag   2520
ctctttgttg tggatcatgt aattaaaatc acgagaattg aagtgggaga tgtaaaccct   2580
tcagaaacac agtatatttc tgagcccagt aagttttcat attgctttcg gtttctatag   2640
ttaagagctg acattttaag aagaaagggt gtgtcagtgt tgtctgctta aagttaaaga   2700
tcatgcggcg gtcccaactc cctaggtgga aactctcatt ataatcatcc cattatttgt   2760
acgtttattt atggacagta aatggatttc cttatcattt gcatgtaata gaatatagtg   2820
gttaatagaa aatattatta agagtttggg ccagcacact agctcatacc tataatccta   2880
atactttgag agactagggt ggaaggattg cttaaggcca ggagtttcag accagcctga   2940
gcaacataac aagaccttct ctctacaaaa taataaaaat gtagcacata tctgtagtct   3000
tgagctactc gctgagaggc tgagtcagga gcatggcttg agcccagaag cttgaggcta   3060
cagtgagcta tgttcatacc actgtacccc agcctgggtg acacagcaaa accttgtctc   3120
aaaaaagaa aatgttacta agagtttaat gaatattcac tagtaacttt gacatatgtt   3180
tttagatctt tgattcttta acaatgattc ctcagccact tctgttttcc ctttttttttt   3240
ttcccccaaa gaactctgtc cagaatgcag agaaggctta ttgtgtcagc agcagaggga   3300
cctgcgtgaa tacactcaag ccaccatcta tgtccataaa gttgtggata ataaaaaggt   3360
actggtccct cttgtggcaa tgactagtaa tgatcaagcg tgctctttgg cttgatttgc   3420
tgttgtattt gcactgaggg tctgcctagg actgcatttt tgttccttca gagctgtttg   3480
gcatcagaat tgaaattgga caataattga aaatgaacag ttatgtgatt atatgagaat   3540
ttagtttgtt attaattgat gcatagatat ttactgaatg tcagctgtgt tccaggaatg   3600
gtccaggtgc tggggataca gtgataaaga aggcaggtat aataccttct ctcaaaatta   3660
taggcaccta gtgaggaaga tcaggaataa agtataaatt catatgattt cacacagaaa   3720
tgattgtttt gaaggaactt tagcagggtc aagtggaggt tagtgtgaga cagggagtag   3780
acaggagagg cgtcttggag aagttgtttt tacccaagcc ctcactgtca gggatgcagc   3840
ctgggaagtg tttttccagac aaaggaaaca aaggtcaaaa ggataagcct aatgtgctta   3900
tgcaacagag tgaaaaccat tgcacctaga acagtgctgt ccaatagagc ttcctgtggt   3960
gatagacagg ttctaggttc tgtatctgtg ctgcgcactg cagtagtcac tggccatgtg   4020
tggctgtgga gcattcgatg tggctagcgt gactgaggaa tttagtttta gttgatttaa   4080
aattaaatag ctacatgtgg ctaatggcta ccctagtggc tattgctggt ctagaatgaa   4140
atttattcca agaagggatc atgatatgga atgaacgacc atacactatc aggttttata   4200
catcatacca aggatttggg tttattccca gtgtagatat aagcccctgg agagtttcaa   4260
gcaaggtcat gatatgatct gatttatagt ttaaaaaaaa tcaccctggc tatagtgttt   4320
ggaattgctg tgagggcata acagaaataa gagaggtcag ttagagcctc ttccattgac   4380
ctgcaaggat aggtgaaatt gattggatat gtttgggaag tggaggtgtt aatacttgct   4440
tggattggat ttccaagcat tttattata ttagggatgg ctcttgggta gatcctgacc   4500
catatctcta gatatcttat taatttattt aattccatgc tttctgggat taaagacaaa   4560
atggaataca ttttatttga tgcttgtttc caaacacatt ttttagaagg gtaacttata   4620
attatgccct ggaggccaag ggttctgctt tacaagctaa ataaactaag gccttcattt   4680
cctaatttgc cgagaaaatg aagttaatga gtataaatgt ctctgtttct ccctgtaaaa   4740
ttttcttaaa tcttttgttc tctggtataa aatattatcc aatttagatg tagtttcatt   4800
attcagttta ataagagtat ttcatagtgt ttgcaagaga gcgcttcttc catctttcgt   4860
tttctcaatt cttaaagagc atgtaactcc tgccacttga atagtttgag aacttgaaaa   4920
```

10057

```
ggcttggcaa tcagtgtgct cgggaaggtg tcaagcacct tcgaacttct gcaaaataac    4980
atcattgtac aagactgata ataataactg ctctgcagag acctcttaaa tgtatggtga    5040
gcacattaaa tactacaaga ataagtcata gggtaaaaaa ctaacatgtt aaaagagcat    5100
agaaaaccgt gaaggcttga ttcttgatcc actctccagt ctataatccc accatgataa    5160
aggtgttcct cgtcttgata aaggttgccg gtcccagccc ccacatcctc catagcctgc    5220
cttcctaggg tctgacctac ttctctttgt tgtcctggca cattcaggtg atgaaggatt    5280
cggctccgga actgaatgtg agtagttctg aaacagagga ggacaaggaa gaagctaaac    5340
cagatgg                                                              5347


<210> 11550
<211> 102
<212> DNA
<213> Homo sapiens

<400> 11550
tttttttttt tttttttgag acggagtctt gctctgtcac ccaggctgga ttacaatggt      60
gcgatcttgg ctcactgcaa cctctgcctc ccgggttcaa gc                        102


<210> 11551
<211> 1569
<212> DNA
<213> Homo sapiens

<400> 11551
aatgaacctt aattttcttt tttttttgag tcagagtctc gctctgtcgc ccagactgga      60
gtgcagtggt gcgatctcaa tttactgcaa cctccgcctc ccgggttcaa gtgattctcc     120
tgcctcagcc tcccaagtag ctgggattac agatgtgcac caccaggctt ggctaatttt     180
tgtattttta gtagagacag ggttttccca tgttggtcag gccggtctgg aactcctgac     240
ctcaagtgat ccactcacct cagcctccca aagtgctggg attacaggtg tgactcacca     300
cgcccagcct gaagcttaat tttcaagacc caatctgagg gtctgggagg gaccctagca     360
atgtgttcac ttggttaatt tttaaaaagt tttattggta tataatatat gaatgagaaa     420
attcataaat attataagtg tgtagtttaa gatttttcac aaactgaaca cacatatata     480
actagcatcc agatcaagaa acagaacatt gccagtatgt ggtcacatat ctttgaagaa     540
tttgcaaatg taagttatct aaaccacagt cagctaaaat tgccgtcttt ttacctgact     600
tcccctttgt tacactcttc cttatgttgg gtggcattgg aatggctgtg ggcacttttg     660
gggtctggct atggggaaat tgacttggag agatatttag ttggatttta gcaggatatg     720
tttacatggt tcatagcctc tttgtgtata gtcaaggtat tactagccat cccagtatgg     780
gaatggtttc taggaatact ctatgtctgt tgtgctaact catggggcat tgtgacataa     840
acgtgcatag ctagaggttg tctagcaata tgaatgtgtc ctatggcatc tggcacccaa     900
agtgtgtggt tagtagagga aaaacaaggt ttgatgtcaa aagccagtct ggggaaaatt     960
ctttaagatt ttgtagcttt aatgaaagag acttgttaag aatttcccca ggtttgacca    1020
tagtcctaaa agttgatata acattattta ttgatgatgt tcctgtgcta aaagaaaact    1080
tttctaagcc atcaataaca acaggctgag cgtggtggct tacgcctgta atcccagcac    1140
tttgggaggc tgaggcaggc agatcacttg aggtcaggag tttgagacca gcctgcccaa    1200
catgacgaaa cactgtctct aataaaaata caaaaattgg tcaggcgcag tggctcatgc    1260
ctgtaatccc agcactttga gaaactgagg tgagtggatc acttgaggtc aggagttcaa    1320
gaccagcctg gccaccatgg tgaaacccca tctctattag aaatacaaaa attagtcggg    1380
cttggtggca catgcctgta atcctagcta cttgggaggc tgaggtagga gaatcacttg    1440
aacccaggag gtggaggttg cagtgagccg ccaagatcgt gccactgcac tccagcctgg    1500
gcaacagagt gagactctgt caaaaaaaaa aaaaaaaaa agaaaaagga aaaaaaaaa    1560
actcatggg                                                           1569


<210> 11552
<211> 1569
<212> DNA
<213> Homo sapiens

<400> 11552
```

```
aatgaacctt aattttcttt tttttttgag tcagagtctc gctctgtcgc ccagactgga      60
gtgcagtggt gcgatctcaa tttactgcaa cctccgcctc ccgggttcaa gtgattctcc     120
tgcctcagcc tcccaagtag ctgggattac agatgtgcac caccaggctt ggctaatttt     180
tgtattttta gtagagacag ggttttccca tgttggtcag gccggtctgg aactcctgac     240
ctcaagtgat ccactcacct cagcctccca aagtgctggg attacaggtg tgactcacca     300
cgcccagcct gaagcttaat tttcaagacc caatctgagg gtctgggagg gaccctagca     360
atgtgttcac ttggttaatt tttaaaaagt tttattggta tataatatat gaatgagaaa     420
attcataaat attataagtg tgtagtttaa gatttttcac aaactgaaca cacatatata     480
actagcatcc agatcaagaa acagaacatt gccagtatgt ggtcacatat ctttgaagaa     540
tttgcaaatg taagttatct aaaccacagt cagctaaaat tgccgtcttt ttacctgact     600
tcccctttgt tacactcttc cttatgttgg gtggcattgg aatggctgtg ggcacttttg     660
gggtctggct atggggaaat tgacttggag agatatttag ttggattta gcaggatatg     720
tttacatggt tcatagcctc tttgtgtata gtcaaggtat tactagccat cccagtatgg     780
gaatggtttc taggaatact ctatgtctgt tgtgctaact catggggcat tgtgacataa     840
acgtgcatag ctagaggttg tctagcaata tgaatgtgtc ctatggcatc tggcacccaa     900
agtgtgtggt tagtagagga aaaacaaggt ttgatgtcaa aagccagtct ggggaaaatt     960
ctttaagatt ttgtagcttt aatgaaagag acttgttaag aattttccca ggtttgacca    1020
tagtcctaaa agttgatata acattattta ttgatgatgt tcctgtgcta aaagaaaact    1080
tttctaagcc atcaataaca acaggctgag cgtggtggct tacgcctgta atcccagcac    1140
tttgggaggc tgaggcaggc agatcacttg aggtcaggag tttgagacca gcctgcccaa    1200
catgacgaaa cactgtctct aataaaaata caaaaattgg tcaggcgcag tggctcatgc    1260
ctgtaatccc agcactttga gaaactgagg tgagtggatc acttgaggtc aggagttcaa    1320
gaccagcctg gccccatgg tgaaacccca tctttattag aaatacaaaa attagtcggg    1380
cttggtggca catgcctgta atcctagcta cttgggaggc tgaggtagga gaatcacttg    1440
aacccaggag gtggaggttg cagtgagccg ccaagatcgt gccactgcac tccagcctgg    1500
gcaacagagt gagactctgt ccaaaaaaaa aaaaaaaaa agaaaaagga aaaaaaaaa     1560
actcatggg                                                            1569


<210> 11553
<211> 38771
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (7892)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7893)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7894)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7895)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7896)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (7897)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7898)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7899)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7900)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7901)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7902)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7903)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7904)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7905)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7906)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7907)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7908)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7909)
```

<220>
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7910)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7911)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7912)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7913)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7914)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7915)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7916)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7917)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7918)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7919)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7920)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7921)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (7922)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7923)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7924)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7925)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7926)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7927)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7928)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7929)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7930)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7931)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7932)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7933)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (7934)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7935)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7936)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7937)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7938)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7939)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7940)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7941)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7942)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7943)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7944)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7945)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (7946)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7947)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7948)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7949)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7950)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7951)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7952)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7953)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7954)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7955)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7956)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7957)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

10064

```
<222> (7958)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7959)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7960)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7961)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7962)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7963)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7964)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7965)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7966)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7967)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7968)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7969)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7970)
```

<220>
<221> SITE
<222> (7970)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7971)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7972)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7973)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7974)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7975)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7976)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7977)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7978)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7979)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7980)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7981)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7982)
<223> n equals a,t,g, or c

10066

```
<220>
<221> SITE
<222> (7983)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7984)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7985)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7986)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7987)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7988)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7989)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7990)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7991)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7992)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7993)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7994)
<223> n equals a,t,g, or c
```

10067

```
<220>
<221> SITE
<222> (7995)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7996)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7997)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7998)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7999)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8000)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8001)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8002)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8003)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8004)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8005)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8006)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (8007)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8008)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8009)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8010)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8011)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8012)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8013)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8014)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8015)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8016)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8017)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8018)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

<222> (8019)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8020)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8021)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8022)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8023)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8024)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8025)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8026)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8027)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8028)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8029)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8030)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8031)

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8032)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8033)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8034)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8035)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8036)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8037)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8038)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8039)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8040)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8041)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8042)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8043)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8044)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8045)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8046)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8047)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8048)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8049)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8050)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8051)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8052)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8053)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8054)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8055)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8056)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8057)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8058)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8059)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8060)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8061)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8062)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8063)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8064)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8065)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8066)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8067)
<223> n equals a,t,g, or c

<220>
```

<221> SITE
<222> (8068)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8069)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8070)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8071)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8072)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8073)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8074)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8075)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8076)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8077)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8078)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8079)
<223> n equals a,t,g, or c

<220>
<221> SITE

```
<222> (8080)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8081)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8082)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8083)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8084)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8085)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8086)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8087)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8088)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8089)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8090)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8091)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8092)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8093)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8094)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8095)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8096)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8097)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8098)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8099)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8100)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8101)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8102)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8103)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8104)
<223> n equals a,t,g, or c
```

<220>
<221> SITE
<222> (8105)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8106)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8107)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8108)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8109)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8110)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8111)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8112)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8113)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8114)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8115)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8116)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (8117)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8118)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8119)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8120)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8121)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8122)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8123)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8124)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8125)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8126)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8127)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8128)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (8129)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8130)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8131)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8132)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8133)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8134)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8135)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8136)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8137)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8138)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8139)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8140)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

10079

<222> (8141)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8142)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8143)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8144)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8145)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8146)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8147)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8148)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8149)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8150)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8151)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8152)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8153)

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8154)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8155)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8156)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8157)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8158)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8159)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8160)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8161)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8162)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8163)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8164)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8165)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (8166)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8167)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8168)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8169)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8170)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8171)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8172)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8173)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8174)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8175)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8176)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8177)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8178)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8179)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8180)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8181)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8182)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8183)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8184)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8185)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8186)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8187)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8188)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8189)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (8190)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8191)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8192)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8193)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8194)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8195)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8196)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8197)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8198)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8199)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8200)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8201)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (8202)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8203)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8204)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8205)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8206)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8207)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8208)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8209)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8210)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8211)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8212)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8213)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8214)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8215)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8216)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8217)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8218)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8219)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8220)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8221)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8222)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8223)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8224)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8225)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8226)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (8227)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8228)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8229)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8230)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8231)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8232)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8233)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8234)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8235)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8236)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8237)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8238)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8239)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8240)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8241)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8242)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8243)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8244)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8245)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8246)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8247)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8248)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8249)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8250)
<223> n equals a,t,g, or c

<220>
```

<221> SITE
<222> (8251)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8252)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8253)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8254)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8255)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8256)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8257)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8258)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8259)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8260)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8261)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8262)
<223> n equals a,t,g, or c

<220>
<221> SITE

```
<222> (8263)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8264)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8265)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8266)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8267)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8268)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8269)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8270)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8271)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8272)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8273)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8274)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8275)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8276)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8277)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8278)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8279)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8280)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8281)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8282)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8283)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8284)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8285)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8286)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8287)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (8288)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8289)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8290)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8291)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8292)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8293)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8294)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8295)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8296)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8297)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8298)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8299)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8300)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8301)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8302)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8303)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8304)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8305)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8306)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8307)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8308)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8309)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8310)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8311)
<223> n equals a,t,g, or c

<220>
```

<220>
<221> SITE
<222> (8312)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8313)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8314)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8315)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8316)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8317)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8318)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8319)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8320)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8321)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8322)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8323)
<223> n equals a,t,g, or c

<220>
<221> SITE

```
<222> (8324)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8325)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8326)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8327)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8328)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8329)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8330)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8331)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8332)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8333)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8334)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8335)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8336)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8337)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8338)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8339)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8340)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8341)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8342)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8343)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8344)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8345)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8346)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8347)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8348)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (8349)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8350)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8351)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8352)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8353)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8354)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8355)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8356)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8357)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8358)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8359)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8360)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8361)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8362)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8363)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8364)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8365)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8366)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8367)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8368)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8369)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8370)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8371)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8372)
<223> n equals a,t,g, or c

<220>
```

10098

```
<221> SITE
<222> (8373)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8374)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8375)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8376)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8377)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8378)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8379)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8380)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8381)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8382)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8383)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8384)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (8385)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8386)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8387)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8388)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8389)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8390)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8391)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8392)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8393)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8394)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8395)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8396)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8397)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8398)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8399)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8400)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8401)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8402)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8403)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8404)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8405)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8406)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8407)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8408)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8409)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (8410)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8411)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8412)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8413)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8414)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8415)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8416)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8417)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8418)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8419)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8420)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8421)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8422)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8423)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8424)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8425)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8426)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8427)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8428)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8429)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8430)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8431)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8432)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8433)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (8434)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8435)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8436)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8437)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8438)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8439)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8440)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8441)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8442)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8443)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8444)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8445)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (8446)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8447)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8448)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8449)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8450)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8451)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8452)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8453)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8454)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8455)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8456)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8457)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8458)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8459)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8460)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8461)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8462)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8463)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8464)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8465)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8466)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8467)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8468)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8469)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8470)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8471)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8472)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8473)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8474)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8475)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8476)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8477)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8478)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8479)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8480)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8481)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8482)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8483)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8484)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8485)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8486)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8487)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8488)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8489)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8490)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8491)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8492)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8493)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8494)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (8495)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8496)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8497)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8498)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8499)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8500)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8501)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8502)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8503)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8504)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8505)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8506)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (8507)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8508)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8509)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8510)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8511)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8512)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8513)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8514)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8515)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8516)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8517)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8518)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8519)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8520)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8521)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8522)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8523)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8524)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8525)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8526)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8527)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8528)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8529)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8530)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8531)
<223> n equals a,t,g, or c
```

10111

```
<220>
<221> SITE
<222> (8532)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8533)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8534)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8535)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8536)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8537)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8538)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8539)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8540)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8541)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8542)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8543)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8544)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8545)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8546)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8547)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8548)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8549)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8550)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8551)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8552)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8553)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8554)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8555)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (8556)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8557)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8558)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8559)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8560)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8561)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8562)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8563)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8564)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8565)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8566)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8567)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (8568)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8569)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8570)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8571)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8572)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8573)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8574)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8575)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8576)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8577)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8578)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8579)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8580)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8581)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8582)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8583)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8584)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8585)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8586)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8587)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8588)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8589)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8590)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8591)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8592)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8593)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8594)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8595)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8596)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8597)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8598)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8599)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8600)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8601)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8602)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8603)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8604)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (8605)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8606)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8607)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8608)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8609)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8610)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8611)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8612)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8613)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8614)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8615)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8616)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (8617)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8618)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8619)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8620)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8621)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8622)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8623)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8624)
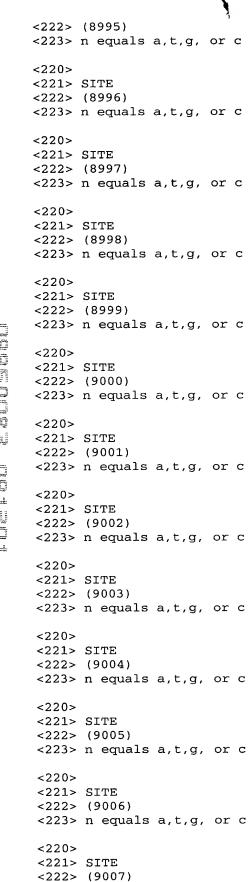<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8625)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8626)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8627)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8628)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

<222> (8629)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8630)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8631)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8632)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8633)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8634)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8635)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8636)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8637)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8638)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8639)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8640)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8641)

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8642)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8643)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8644)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8645)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8646)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8647)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8648)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8649)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8650)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8651)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8652)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8653)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (8654)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8655)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8656)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8657)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8658)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8659)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8660)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8661)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8662)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8663)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8664)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8665)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8666)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8667)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8668)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8669)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8670)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8671)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8672)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8673)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8674)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8675)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8676)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8677)
<223> n equals a,t,g, or c

<220>
```

<220>
<221> SITE
<222> (8678)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8679)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8680)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8681)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8682)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8683)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8684)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8685)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8686)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8687)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8688)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8689)
<223> n equals a,t,g, or c

<220>
<221> SITE

```
<222> (8690)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8691)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8692)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8693)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8694)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8695)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8696)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8697)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8698)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8699)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8700)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8701)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8702)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8703)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8704)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8705)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8706)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8707)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8708)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8709)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8710)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8711)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8712)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8713)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8714)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (8715)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8716)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8717)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8718)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8719)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8720)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8721)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8722)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8723)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8724)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8725)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8726)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8727)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8728)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8729)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8730)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8731)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8732)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8733)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8734)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8735)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8736)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8737)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8738)
<223> n equals a,t,g, or c

<220>
```

<220>
<221> SITE
<222> (8739)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8740)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8741)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8742)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8743)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8744)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8745)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8746)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8747)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8748)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8749)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8750)
<223> n equals a,t,g, or c

<220>
<221> SITE

```
<222> (8751)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8752)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8753)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8754)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8755)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8756)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8757)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8758)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8759)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8760)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8761)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8762)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8763)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8764)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8765)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8766)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8767)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8768)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8769)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8770)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8771)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8772)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8773)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8774)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8775)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (8776)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8777)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8778)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8779)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8780)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8781)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8782)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8783)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8784)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8785)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8786)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8787)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8788)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8789)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8790)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8791)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8792)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8793)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8794)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8795)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8796)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8797)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8798)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8799)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (8800)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8801)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8802)
<223> n equals a,t,g, or c

.<220>
<221> SITE
<222> (8803)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8804)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8805)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8806)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8807)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8808)
<223> n equals a,t,g, or c`

<220>
<221> SITE
<222> (8809)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8810)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8811)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (8812)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8813)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8814)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8815)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8816)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8817)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8818)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8819)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8820)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8821)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8822)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8823)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8824)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8825)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8826)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8827)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8828)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8829)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8830)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8831)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8832)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8833)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8834)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8835)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8836)
<223> n equals a,t,g, or c
```

10136

```
<220>
<221> SITE
<222> (8837)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8838)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8839)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8840)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8841)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8842)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8843)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8844)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8845)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8846)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8847)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8848)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8849)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8850)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8851)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8852)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8853)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8854)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8855)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8856)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8857)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8858)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8859)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8860)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (8861)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8862)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8863)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8864)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8865)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8866)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8867)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8868)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8869)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8870)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8871)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8872)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (8873)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8874)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8875)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8876)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8877)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8878)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8879)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8880)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8881)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8882)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8883)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8884)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8885)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8886)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8887)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8888)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8889)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8890)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8891)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8892)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8893)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8894)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8895)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8896)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8897)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8898)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8899)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8900)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8901)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8902)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8903)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8904)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8905)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8906)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8907)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8908)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8909)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8910)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8911)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8912)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8913)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8914)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8915)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8916)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8917)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8918)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8919)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8920)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8921)
<223> n equals a,t,g, or c

<220>
```

<221> SITE
<222> (8922)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8923)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8924)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8925)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8926)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8927)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8928)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8929)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8930)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8931)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8932)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8933)
<223> n equals a,t,g, or c

<220>
<221> SITE

```
<222> (8934)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8935)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8936)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8937)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8938)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8939)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8940)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8941)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8942)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8943)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8944)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8945)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8946)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8947)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8948)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8949)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8950)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8951)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8952)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8953)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8954)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8955)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8956)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8957)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8958)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8959)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8960)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8961)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8962)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8963)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8964)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8965)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8966)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8967)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8968)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8969)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8970)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8971)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8972)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8973)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8974)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8975)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8976)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8977)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8978)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8979)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8980)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8981)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8982)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (8983)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8984)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8985)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8986)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8987)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8988)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8989)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8990)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8991)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8992)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8993)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8994)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (8995)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8996)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8997)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8998)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8999)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9000)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9001)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9002)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9003)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9004)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9005)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9006)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9007)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9008)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9009)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9010)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9011)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9012)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9013)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9014)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9015)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9016)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9017)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9018)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9019)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9020)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9021)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9022)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9023)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9024)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9025)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9026)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9027)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9028)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9029)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9030)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9031)
<223> n equals a,t,g, or c
```

10152

```
<220>
<221> SITE
<222> (9032)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9033)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9034)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9035)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9036)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9037)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9038)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9039)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9040)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9041)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9042)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9043)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (9044)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9045)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9046)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9047)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9048)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9049)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9050)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9051)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9052)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9053)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9054)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9055)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (9056)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9057)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9058)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9059)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9060)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9061)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9062)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9063)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9064)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9065)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9066)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9067)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9068)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9069)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9070)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9071)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9072)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9073)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9074)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9075)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9076)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9077)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9078)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9079)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9080)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (9081)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9082)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9083)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9084)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9085)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9086)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9087)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9088)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9089)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9090)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9091)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9092)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9093)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9094)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9095)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9096)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9097)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9098)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9099)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9100)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9101)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9102)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9103)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9104)
<223> n equals a,t,g, or c

<220>
```

<221> SITE
<222> (9105)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9106)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9107)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9108)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9109)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9110)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9111)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9112)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9113)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9114)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9115)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9116)
<223> n equals a,t,g, or c

<220>
<221> SITE

```
<222> (9117)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9118)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9119)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9120)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9121)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9122)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9123)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9124)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9125)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9126)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9127)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9128)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9129)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9130)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9131)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9132)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9133)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9134)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9135)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9136)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9137)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9138)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9139)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9140)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9141)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (9142)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9143)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9144)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9145)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9146)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9147)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9148)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9149)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9150)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9151)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9152)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9153)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9154)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9155)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9156)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9157)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9158)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9159)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9160)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9161)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9162)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9163)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9164)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9165)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (9166)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9167)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9168)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9169)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9170)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9171)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9172)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9173)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9174)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9175)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9176)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9177)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (9178)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9179)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9180)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9181)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9182)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9183)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9184)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9185)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9186)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9187)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9188)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9189)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9190)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9191)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9192)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9193)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9194)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9195)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9196)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9197)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9198)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9199)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9200)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9201)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9202)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9203)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9204)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9205)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9206)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9207)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9208)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9209)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9210)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9211)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9212)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9213)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9214)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9215)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9216)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9217)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9218)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9219)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9220)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9221)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9222)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9223)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9224)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9225)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9226)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (9227)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9228)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9229)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9230)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9231)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9232)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9233)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9234)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9235)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9236)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9237)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9238)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

<222> (9239)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9240)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9241)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9242)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9243)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9244)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9245)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9246)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9247)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9248)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9249)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9250)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9251)

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9252)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9253)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9254)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9255)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9256)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9257)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9258)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9259)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9260)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9261)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9262)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9263)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9264)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9265)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9266)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9267)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9268)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9269)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9270)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9271)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9272)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9273)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9274)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9275)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (9276)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9277)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9278)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9279)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9280)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9281)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9282)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9283)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9284)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9285)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9286)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9287)
<223> n equals a,t,g, or c

<220>
```

<221> SITE
<222> (9288)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9289)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9290)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9291)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9292)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9293)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9294)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9295)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9296)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9297)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9298)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9299)
<223> n equals a,t,g, or c

<220>
<221> SITE

```
<222> (9300)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9301)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9302)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9303)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9304)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9305)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9306)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9307)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9308)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9309)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9310)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9311)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9312)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9313)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9314)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9315)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9316)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9317)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9318)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9319)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9320)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9321)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9322)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9323)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9324)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (9325)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9326)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9327)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9328)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9329)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9330)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9331)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9332)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9333)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9334)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9335)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9336)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9337)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9338)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9339)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9340)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9341)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9342)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9343)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9344)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9345)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9346)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9347)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9348)
<223> n equals a,t,g, or c

<220>
```

<221> SITE
<222> (9349)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9350)
<223> n'equals a,t,g, or c

<220>
<221> SITE
<222> (9351)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9352)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9353)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9354)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9355)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9356)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9357)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9358)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9359)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9360)
<223> n equals a,t,g, or c

<220>
<221> SITE

```
<222> (9361)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9362)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9363)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9364)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9365)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9366)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9367)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9368)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9369)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9370)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9371)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9372)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9373)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9374)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9375)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9376)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9377)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9378)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9379)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9380)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9381)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9382)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9383)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9384)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9385)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (9386)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9387)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9388)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9389)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9390)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9391)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9392)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9393)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9394)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9395)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9396)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9397)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9398)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9399)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9400)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9401)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9402)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9403)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9404)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9405)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9406)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9407)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9408)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9409)
<223> n equals a,t,g, or c

<220>
```

<221> SITE
<222> (9410)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9411)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9412)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9413)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9414)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9415)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9416)
<223> n equals a,t,g, or c

<400> 11553
```
gtgacttgta gctttaacaa aaattaggtt ccctagttgc agctgccagg gaaagctagt     60
ctaatatcaa agcaaaccat ccttcttctc aagcacagag tttttaagat aggagtgtgt    120
gtgtattgac attttcctag cagtggctga agtcaaggac caggagattt agggcccact    180
tggagttctt atggtgaaac agtagtagct tcctagagac cttttaaagct tatctgtaat   240
ttgtatagtt cagaagatac tgtatacatc attatttctc cctgctttca aaacaggaag    300
ggggtgtgga gagtaacaca ctaaaaaaag gataagtaat taatttctgg gtaagaattt     360
ccttttggct taaaatggac tgatggtgta agttcctccc tttgcaagca gaagctttga    420
agatagtgag ctagatgaag ctctggacat cttgaatgaa gtattctgta taagaaccaa    480
gtgtataata actgttagta atagaggctg ctcatagaaa tgtcattgca ttataattgt     540
agggacagtt tgtcagagag taggtagaag attatcagac ccaggttttg ttcttggctc    600
acatgaagtc atcaagtagg ctatttaaat gcttcacttt aaccataggc taagattaaa    660
ttaaaaataa aaagcttttg tcatggccgg gcacagtggc tcatgcctgt aatcccagca    720
ctttgggagg ctgaggtggg tggatcacct gaggtcagga atttgagact ggtctgacca    780
acatggtgaa accctgtctc tactaaaaat acaaaaatta gccgggcacg gtggtgcacg    840
cctgtaatcc cagctactcg ggaggctgag gcaggagaat cgcttgaacc tgggaggggg    900
aggttgcagt gagccgagat cgtaccattg cactccagcc tggggggacag agtgagactc    960
cgtctcaaaa aaaaaaaaaa aaaagcttt tgtcaattaa agatgcttgt cagtactgag    1020
tattcatgtt gctatggcac ttttataaga aaactgtaca cggtcatatc tgcttccgaa   1080
aataatacat agtgagatag taattttaca ggcaattaag aatttgctgg ccaggcgcgg   1140
tggcttacac ctgtaatccc agcactttgg aaagccaagg tgggtggatc acctgaggtc   1200
aggagtttga ccagcctg gccaacatgg cgaaaccctg tctctactaa aaaaaaaat     1260
ccaaaaaatt agccgggcat ggtggcaggc gcttgtaatc ccagcaactt gggaggctga   1320
ggcaggagaa tcacttgaac ccgggaggca gaggttgcag tgagccgaga tcgcgccatt   1380
gcactccacc tgggcaacaa gagcaaaaac tccgtctcaa aaaaaaaga atttgctata   1440
atagaagatc catgtgtaca ttctgtatgc·aaatcttagg aagatattag atcccagaag   1500
gttaaagttc cgatctctat atatttgtat atgctttaag gagaagtggc atccatgtag   1560
```

```
atgtggtaaa tggcttataa ctctcgaggt ttccaatttc tgctgtggta gcaattctaa   1620
actcagatgg acttggacac tactctggat tactgtccct aaatatcaac tactgtttat   1680
aagccagcag aggccaactg aaatagtaca cataaagttc ctacagcata tccctcagtc   1740
agaagtggaa aagattgatt aaagttggag tataaacata tggggccctg accaaaaata   1800
ttgaaccgta ctactagaaa tccccattct ttagctaaag gataatctga cttcactttt   1860
aattcttcat tgactattgg tgctctgaaa gaataggaaa taatagcaaa acatgggaac   1920
tcctagatag catacattta tttttaaaat gtataccatc ggccaggcac catggctcac   1980
gcctgtaatc ccagcacttt gggaggccaa ggtgggcgga tcatttgagg tcaggagttg   2040
gagaccaccc tgggcaacat ggtgaaaccc catctctact aaaaatacaa aaactaactg   2100
ggtgtggtag cacacacctg taatcccagc tactcaggag gctgaggcag tagaactgct   2160
tgaacctgga agacagaggt tgcagggagc caagatcacg ccactgtact atagcctggg   2220
agaaacaaa caaaaaacat atggtcaact tcccaagtaa actgaccaat gtcagtttag    2280
gttcagtctt actgtaggag tgcctgccgt aggccagcgc ctctcaacct ttccactaag   2340
tacattaaga tcctaacagt aatcattggg accccaggtc atcgtctcaa cagaagctcc   2400
agatttcttc aagtcttggc cctcttgttt tatatcaaaa ttttatgtat attatttta    2460
tattttcaaa aattctcccc agatcatcaa gtaatattga gatgctgaca tagaaaaaag   2520
tagatttcca gctggtatga tcagtgataa attggacttc atcaaaatta aaagcttttg   2580
tgcaccaaag gatactatca agaaagtaaa aagctatccc acagaatagg agaaaatatt   2640
tgtaaatcat aagtctagta ttcagatgtc taaagaactc ttagaattca acaataaaaa   2700
gataacccag tttacaaaat ggatatgaat agacagttct ctaaaagaga catatacatg   2760
gccaataagc tcgtgaaaag ctgtttaata tctttagtca ttagggaaat gcaaatcaaa   2820
accacaatga tatatcattt cacacctact aggatggcaa taatcaaaaa cacacaaaca   2880
gatgttggtg aagatacgga gaaattggaa ccctcaagca ttgctggtgg gaatgtaaaa   2940
tggtgcagcc acttgtggaa aatagtttgt cagttcctca aaaagttcac agttaccata   3000
tgacccagca attccattcc tagggttaca cccaagggaa ctgaaagcat agattcacac   3060
aaaaacttgt acacaaatgt tcatagcttt attataatag ccaaaagtgg aaacaaccca   3120
gttgtccacc aattgggaca aattgaatga atacacaaaa tgttatatcc acacaatgga   3180
atgttattca gccataagaa aacaatgaaa tcctgatcac atgctgcgac acagatgaac   3240
cttgaaaaat tgtgacatga aacaagccag acacaaatgg ccacatattg tatgattcca   3300
tttatatgaa atacccagaa taagctaatt cgtaaagaca gaaaatagat tggtggttgc   3360
taggggataa gaggaagggt gaattgggaa tggccactat gcggtacagg gtttctaatg   3420
ttctggcatt agatagcaga gatgaaaatg ttctggcatt agatagtgga gatggttgca   3480
taacactgaa tatactaaaa tccactgaat tgtacactta aaaaaatgaa gaaagaagga   3540
ctatgcatga tcaaagaaaa aaatgctttg tgctcaagta gggatagaat aaacagtaag   3600
actggaaaga ctgtgaaggg ccttgaatgg caagctaagg aagttagctt tcatcttata   3660
gatcgtagga agccaccaga gtattttgag caggggtggc atgtttaagg tagtgttata   3720
ggaagtttaa tttgtgaaat gagaaagaga tactatcagc caggagaggt agaaggttct   3780
ataaagtcaa attgaacacc cgaagtttca gatttcatga atgaccctgg gtatgtgtgt   3840
atacacatat gtatgggatt tgtagtcatc tggggaaggc tgaggtgcta atatgaatac   3900
tgaaaactag agagggtaat atagcagagt agttaaaaat gaaaacactc tgaacccaca   3960
tgctgtctgg gttcaaattc cagctgggct accttccagc actgtgacct taggtaagtc   4020
actaaccctg tctgtgcttc agcttcctct tccgtaagat aaggatacct actcatcaag   4080
gttgttttga ggattaagtg ggttaataca tacaaagtgt ttacaatgtc aagcttaaag   4140
aaaggtcccc aaaaatgtca gctgctagtc tgaaactcca gagcaggttt gagagtaacc   4200
cgctgttgtt ctctgccccg gataaactat gaagtaacag tcctaaagtg ttaaaagaca   4260
aaacaaattt ttctttgtga aaaatgaccc tttaaaaaaa ctccatctac taataatgaa   4320
gcttagtagt agtaaaatga tgatttttag ccataaaacg ggttttctat atcttcacaa   4380
atatagtgta gagtttcaca atattctttg atatgaacca gtctctcata ctttctgtat   4440
agcactgatt cgctaagtaa gatgccaagg catgacctcc cttcaggaat tgggaatctg   4500
cattttttaat aagcatccta ggtaattctt tttttttttt tttttttttt gagacggagt   4560
ctcgctctgt cgcccaggcc ggactgcgga ctgcagtggt gcaatctcgg ctcactgcaa   4620
gctccgcttc ccgggttcac gccattctcc tgcctcagcc tcccaagtag ctgggactac   4680
aggcgcccgc caccgcgccc ggctaatttt ttgtattttt aatagagacg gggtttcacc   4740
ttgttagcca ggatggtctc gatctcctga cctcatgatc cacccgcctc ggcctcccaa   4800
agtgctggga ttacaggcgt gagccaccgc gcccggccgc atcctaggta attcttatgc   4860
atgatacagg ttgagaccag tgccatgtac agaagtggga aaaatggctt atgaaactca   4920
gttgtatttta gcacactgtg ttagacataa aatttgaaaa cccaacctgg acaacacagt   4980
gagacccagt ctctactaaa ataaaataaa taagtgaaca ttgaaaacca atggatagta   5040
gaatgtattc agttcagtga gacatgaaac aatatttttg cttaattgaa tcaaacatat   5100
gttaaaaaaa aaaaaaaaac tcaccctact cccaaagcac tcaataaatt cttcagagaa   5160
aaggaagagc tttttgtact acattgcctc taaaatcttc tgtaggataa gacatttaa    5220
```

10185

```
gatcacttaa aatcttgttt taagttttta agtctcattt taataaccaa ataaaatggt    5280
ttttatttga gccagtttca agttcttaaa gtgacacata ggacttaaca aaatccatta    5340
gttgtcattt gtgctttgcc cattttttact gatttcttca tactctgaag gaaaaaaaat    5400
gctacaaatg tatgttggta tataagagag tgcattccat aaatattaga aattttttt     5460
ttcttttttt gagatggagt ttcactcttt cgcccaggct ggagtgcagt ggtgccatct    5520
cagctcactg caacctctgc cttccagttt caagtgattc tcctgcctca gcctcctgag    5580
cagctgggat tacaggcgcc cgccaccacg cccagctaac ttttgtattt ttagtagaga    5640
tggggtttca ccatgttggc caggctggtc ttgaactcct gaccttgtga tccacccacc    5700
tcagcctccc aaagtgctgg gattacaggc gttagccact gcgcccggcc agaaaaatat    5760
tttatagaat tcaaacttgt attttctttt gaaggggatat aaaaagggtg agagaaccca    5820
acaaccacac ttattcaaat ttataaggat aattaggagt attctcatgg ttatctttag    5880
aatcttagca gggtaaaaaa gagtttattg tttcatttgc tgaaactcct gagaagaagt    5940
ctcaccacat ttgtatttac agagattaga tttggcaact ctaaagacaa gagaaattac    6000
tcatgataag tgtttggagg ggttggagag aaaacagcta attaggcact tggcagtgtg    6060
gcagggcaac ctttgggcaa cccagtccag attaggttag aagaggagca cggaccttt     6120
gtccactgca aaccagtgcc acaaatgaag tgggaagaga caggttacca catactggtt    6180
ggacttgaga gagaaccaga aagtgtacaa tcccataagc ataaaaaatg gggataaaac    6240
ttcaagtgta tataagggta agaacaggag gaagcagtaa cagagagggc aggagagaaa    6300
gatcagaagg aatcggacgc ctgagaagag gaactggggg ctgagtcctg tcctggcctg    6360
gccgctcccc attcctccct ctgcctctga gggcttcagt tttcccaagt gagaaacagc    6420
tgtgctagat tgcttctaca gtcctttcca ctcctggacc gaaacagttg cccctgcatc    6480
taaaatacgt agctctagca tataaaatgc aggttacctc aactcccccc cgactcccac    6540
atctcactcc cttccttcc ctgcctgccc taattctggc tgcgttctgt tcttgcctca    6600
tatggactct ttttctcctc cccttctttt ccaatgtcat gcagtctctt aacactgggt    6660
ttcaaccact atacagaaaa atgttagtga aaaaggaaga ggggttccat gctgcttgat    6720
tctccctaac caggcacact aaactagggg tgacagtgta tcacaaagtc cagactcaca    6780
gtcttgctgc cccttctcct cttcaaagtt tgtttccgaa gtaccacccc ttgcacctca    6840
catcccagcc aactctgcct acctgtcagc cccagccctc ctcaggcctg cctcagcctc    6900
acagccagga tcctaccaac accaacaccg cgccaaataa cccctcccaa aagcctcacc    6960
ggaactaatc tggggactct gcctattatt aggaacacct tggatgaagc ccctacccgc    7020
agaattctgg cagtagcagc agaattttca ggcatgtgcc taattttgtt ggggtggtgg    7080
ttgattattt tttttaaatc taggatttct gggatctgaa gcttatacaa tcttggatat    7140
cttctttaag aaaaagaata caaaaatatc ttctataagt tttacaaaaa tatatgacca    7200
tgtgagcacg ttgctagctc ccgcccccac cccacccccc agagccttgg aaggggagtg    7260
aaactgaagc ttttttagct tcatggcaaa tatgcttctt cctgagagta ctgggtacat    7320
tcacagacct ttatttttta ctttctatag atttaattta gttaagtcag ttcgaagcgg    7380
gcaaaggcca aaatttctca cccctaggtg gctcaaattt ctgagcctga gatttttatat    7440
cttaaaatcc attaaaagaa tactcaattt tcggccgggc gcagtggctc acacctataa    7500
tcccagcact ttgggaggct gaggcgggca gatcacgagg tcaggagatc gagactatcc    7560
tggctaacac ggtgaaaccc cgtctccact aaaaatacaa aaaattagcc aggcgtggtg    7620
gcgggcacct gtagtcccag ctaccaggga ggctgaggca ggagaatggc gtgaacccgg    7680
gaggcggagc ttgcagtgag ccgagatcgc gccactgcac tctagcctgg gcgacagccg    7740
tctcaaaaaa agaatactca attttttaaga agttaggtgt aggtatgctt atataaaata    7800
tttagacatg cataagtatt ttaagtggcc tgaaggaagt acatgtatgc tacttttgca    7860
aatattttcg cttttttttt ttttttttt gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    7920
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    7980
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8040
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8100
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8160
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8220
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8280
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8340
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8400
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8460
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8520
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8580
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8640
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8700
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8760
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8820
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8880
```

```
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn     8940
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn     9000
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn     9060
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn     9120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn     9180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn     9240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn     9300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn     9360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntcac     9420
gcctataatc ccagcacttt gggagtctga ggcgggcgga tcaccagagg tcaggagttc     9480
aagaccagcc tgaccaacat ggtgaaaccc catctctact aaaaatacaa aaattagcca     9540
ggcatggtgg cacacgcctg tagtcccagc tacttgggag gctgaggcag gagaattgct     9600
tgaacctgag aggcagaggt ttcagtgagc caagactgca ctactgcact ccagcctgag     9660
gaacagagcg agactctgtc tcaaaaaaaa aaaaaaaaaa aaagaatgta agtaatttgc     9720
ccaagctgca gagctaaatt ttaaactaga taattctgat tccaaagccc agataatctg     9780
gctagaagtt gcaccagggg attcactgat ttacaaagaa ttagaatgtg ataaaattcc     9840
ctgagtacag gcaagtgtga tttttatctt tgctagtaaa gccatttaga tgtcttaaag     9900
tgcctcaatc tgttgcacct gttctactaa aacaaagaaa tgagtcaacg gcctctttta     9960
gctttaacat tctctctgtc tatacatttt tatagaataa tttttagtta ttgcagcagg    10020
tttcaccagt cagccaacgg gtgtgtataa cattaatcac tagcactaca cctcagaagt    10080
cttgcttatt aagagcactc agcttaagtg aagaaattaa agaattttgg taggcctttg    10140
ggacagttca agtttaggtt gtttggctgg gttgagagag taaaaaacta acatttctta    10200
acctaaccct tttttctttct ttctcacagg taacaactat ccaatagctt acctttaaaa    10260
tgtcccctct attgttcctc cctcagacat ttttgatcac ttgtcccagt ttccatgagt    10320
cctgtatcac agctgtcaca atgcttgagc tatttaggtg gaggtaactt tcagaaatga    10380
actgctgaag ggtgcagagt gctcaagaat tagattaaca aagaaagtac acctaaattt    10440
agcattaaaa tgaactttta aaatattttt caataggagg ataagcaaac ataaaaatgg    10500
gtgtgcttat gtctataaac aggtgctgga gcatagattg ttatctggac atcaaagaat    10560
aatagagctg tagctttaaa agagcacaca gctggttatt agtgattcac tcccaggtca    10620
ctgccaagtg ccaaggcatg tggcaagaat agtagaatgg aaatcaggtg atgtggattc    10680
taatttgagc tctgctctgt taaccttggg catgccagtt atccctttg gaccttagtc     10740
tcttatctac ctaatgaagg gtttggagca ggtaattctt cagttctaag taagaatctg    10800
tattcatgaa taactgttca gcatatgact cagcccaagg tgtacaggat tgctggagtg    10860
tggaaggtat gttggctcct gcctgtacta gcaacaaggc ttaatctagt gaacagaaag    10920
gatcaaaggt ggctatatcc ccacctaaat gtccatgatc tacaagtgct cttctagctg    10980
gcagagtggg tcagtaatga gattttgtat ctcattatat gaagttctaa gcactgaacc    11040
taatcagtta cccatcactt aagtagacag tgtcaggcag agcttaactc tccttcctat    11100
tttcctttgt cttccttttc tctgtaagtt ctctaacata aggaacttcc attttggtga    11160
aagaatagaa aagttgaggg acaggccagg tgtgttgtaa gtaagactga tccagctgat    11220
tggtttgcca tttagattgc atggcagaca tctgccataa gcacttaaaa cacaccttca    11280
ataggcatta gaaagcacac acacggccaa acatagtagc tcacacctgt aatgccaata    11340
ctttgtgagg ctgaggcagg aggattgctt gagcccagca gttcaagacc agcctgggca    11400
atatagcaag atgccatctc tacaaaaaat tttaaaatta tctgaatgtg gtagtacatt    11460
cctgtggtct cagctactca ggggtctgag gtcggaagat cacttgagcc caggagatca    11520
aggctgcagt gagccatgac tgtgccattg cactccagcc tttgcgacag agcaagaccc    11580
tgcctcaaaa cacacacact gactagggat ggtggcttat gcccagcact ttaggaggct    11640
gaggcaggca gatcacttga ggtcaggagt ttaagaccag cctggccaac atggtgaaac    11700
cctactctac taaaaataca aaaatcagcc atgcggccag gtgcagtggc tctcgcctgt    11760
aatcccagca ctttgggaag ctaaggcagg aggatcacct gaggtcagga gttcgagacc    11820
agcctgacca acatggtgaa atcctgtctc tactaaaaat acaaaattag ccccgtgtgg    11880
tggcgcctgc ctgtaatccc agctacttgg gaggctgagg caggagaatc acttgaaccc    11940
aggaggcaga ggttacggtg agccgagatc acgccattgc actccagcct gggcaacaag    12000
agcgaaactc catctcaaaa aaaaaaaag aaaagaaaat cagccatgca tggtgacaca    12060
cagttgtaat cccatctacc tgggaggctg aggcaggaga atcgcttgaa cctgggaggc    12120
agaggttgca gtaagccaag attgcaccac tgcactccag cctgggcaac agagtgagac    12180
tgtgtcttga aacacacaca cacacacaca cacacacaca cacacacaca cacacacaca    12240
taatttgctg ttgtttgggg ggcatggcgg cacataccta gtagtcctagc tacttgggag    12300
gctcaggcag gaggatcact tgaacccagg aagttgaaac tgcagtgagc tgtgattgtg    12360
ccgctgcact ccagcctggg caacagagtg aagtactgtc tcaagaaaat aaaaaaataa    12420
agaaataaaa acataaggtt tagatggcaa ctttaaaatg tgaaggagg atatacagtt    12480
tttcaaaatt cttctaggag ctatgccagc aaaaaggttt gaagacctga agaccattat    12540
```

10187

```
atcagtggca taaacatctt taatttgtcc ttttccttct cctacaccta gtcaattgat 12600
ttttttttc ccatttatca atttcagact ctgcctggtt tttcactttc ccatccattt 12660
tgttacaata ttttcctcc cttgaaatta gcccagtctc ttggagtgaa tgccccatgc 12720
tccttcctac cgctgtgtct ttactacatt atcctccctt ggaatgccgt catctcttct 12780
ctgttcaaga actacttctc ccgaccactg tggtcgagat tgatttctct ttaacctcta 12840
caacattggc tattccatac agttagccct tagcatagaa catcattgtt tgattttgct 12900
ccttaagaat agaaagcacc tcttaaaatt ctaccatatt cccccaatgc ctaatgcaat 12960
gctaaccaca tagtgagtgc ttaataaata ttgtattgac tgcctagagt acagagcact 13020
tgttcactca ttgttcggcc attcagctaa tacttttga gaaattttgt gtaccaggaa 13080
ctgtactatg cactgggta cggtagggac taaagtagat gataatccct gctttgaaag 13140
actgaaaagt aagatatatg gtatgtcaaa aggtaataag tactgagaag aaaaatagaa 13200
aaagcaggaa agaagaacaa gaagtgtgtg atggggggagg gttacagggt ggggaggggt 13260
agtgttgtat acacttctag ataagatagg gaagtcctca ctgatactta tggtgacatt 13320
ttacaaagga cctgaggtgt aggaaggatt tgagcttatc tgtgcaaaga gccttccagg 13380
caaggaactt accatgtgaa ggcaccaagg ctggacctgc ttaacattcc aggaagggaa 13440
agctttgggg ctggagcaga agggtagagg ccagattgag agatgagtca gaggacagtg 13500
gggcccgggc agagggacag aacctgcggg tgctggcaat cagccttttg atctgagtga 13560
gaatagaggc cttgagaggg cttttgagcag aggagtgacc tgctgactta agttgaatag 13620
aaccctctag atgcttcatt aaggctagac tgaagggagg caaaggcagg gtgagatcag 13680
tcaggaggca agtatataat gataatacat tgaatataat aatgatatat taataataat 13740
aatccagaga tagtggcaac tcagaccagg ggaagcagta gaggcggaga gaagtggtca 13800
gattttggat ttatttgaa ggtagaacag acaggattgc tgactctgtt gagtagtcag 13860
ctgggagcta ttgatggttt ctgagcagga gctgaaggaa gattacccg gtataggact 13920
gctgggaaga cgtggtgcag gcagagatca ggtaggaggc cattgcaagg atttaagggt 13980
gagatccata agggtttaa ctgcaaatca gcagaggaaa aagggagtgg tgatggtcat 14040
ggtgacagtg atggtgagag agactggaaa ggaggaatca acaggatttc atgactagat 14100
aacagagaac caatatgaag aaggaaaaca cttttttttt tttttgaga cggagtctgg 14160
ctctgttgcc caggctggag tacagtgaga cgatctcagc tcactgcaac ctccgcctcc 14220
tgggttcaag cgattctcct gcctcagcct cctgagtagc tgggattaca ggcatgcacc 14280
accacgcccg gctaattttt gtattttag tagagatggg gtttcaccat gttggtcagg 14340
ctggtcttga actcttgacc tggtgatccg cctgccttgg cctcccaaag tgctgggatt 14400
acagacgtgg agccaccatg ccctggcagg aaaacacact tttgaatgtt gtgtgacctg 14460
gagaatggta acactgttaa tttaaaaaaa aaaaaaagc ccagagaagg ctgatttagg 14520
gagaaattta tgccttagtt atacagagtt tgagatggta atgaaatatc aaattaaaac 14580
tgtccagcaa ggaagtagga aatgtggaac tgaaaagaa gttagaacta aagatgtgga 14640
tctgtctttg gcataaagat tatattaagt tacttgagag tagatgagtt tccaaagaag 14700
cagtgtagca agaatagtgg agggccaaga ctggatcctg ggggtcagca acatctagga 14760
gccagaaaaa atgccttcgg tgaaagaaac ggaaagatgg gtctattcaa attgtagtca 14820
gccaacccat gccagaagta agcacagaaa gtaagagtga acattggcca agcacagtgg 14880
ctgatgcctg taatcccaac actttgggag gccaaggcgg gcagattgct tgagctcagg 14940
agttcgagac cagcctgagc aacatggtga aactccaact ctacaagaaa ttagccggtc 15000
ctgtgcacac ctgtagtccc agctgctagg gaggctcagg tgggaggatc acttgaacct 15060
agaaagttga ggctgcagtg agctgtgagc atgccactgc actccagcgt gggcaacagc 15120
ccggtggctc acgcctgtaa tcccagcact ttgggacgcc aaggcaggtc gatcacttga 15180
ggtcaggagt tcgagactag cctggccaac atggagaaac cccatctcta ctgaaaatac 15240
aaaaattagc tgggcatggt ggtgcacacc tgtaatccca gctactcggg aggctgagac 15300
aggagaatca cttgaacctg ggaagcggag gttgccgtga gccaagatca tgccactgca 15360
cttcagcctg gacaacacag agagactctg tcccaaaggg aaaaaaaga aaaagatcca 15420
ggagatccat tcctaggtat atacccaaga gaattgaaaa cataaaaaca tatgttcaca 15480
caaaaacttg tacatgggct catacctgta attgcagcac tctgggaggc caaagcagga 15540
ggatcatttg aggccaggag ttcaagaccg gcctaggcaa catagtgaga ccctgtctct 15600
acaaaatgca tgaatgtttg tagcagcatt cttcataatg ttcctaaagt ggaaacaacc 15660
cagttgtttg tcagctgatg aatgggtaga ttatatgcag agtatccagg ctgggcgtag 15720
tggctcatgc ctgcaatcct agcactttgg gaagctgagg tggacagatc atttgagctc 15780
aggaattcaa gaccagcctg agcaacatag tgagaccttg tctataaaaa atttttaaat 15840
gttaaaaaaa agaatgcaga gtatccatac aacgggatat tattcagcca taaacaggaa 15900
tgaagtactg atacatgcta caacatggat gaaccttgaa aacatgctaa gtgaaataag 15960
ccagacacaa aggtctacac attgcctgac gccatttata tgaaacacct agaataggcc 16020
aatctataga gacataaagt agatgaatgg ttgccaggct ctgggagtta agagagaatg 16080
ggaaatgact gccaacatgt atggggtttc tacttgaggt gatgaagata ttctgaaatt 16140
agatagatag tggggatggc tgcacaacct ttttttttt tcttttgag atggagtctc 16200
```

10188

```
gctctgttgc caggctggag tgcagtggcg caatctcagc tcactgcaat ctctgcctcc  16260
tgggttcaag caattctcct ccctcagcct cctgagtagc tgggactaca ggcaggcacc  16320
accacgccca gctaattttt tgttagtaga gacagggttt caccatgttg gccaggatgg  16380
tcttgatctc ctgacctcgt gatctgccct cctccggctc ccaaagtgct gggattacag  16440
gcataagcca ccatgcccgg cgacaacctt ttgaatatac taaaaaacat tacatttttac  16500
actttgaagg gtgaatttta tggtaaatta tatctcagta gaaaaaaatc caggaaactg  16560
tgtatagtca gccctccata tttgtgggtt ccacattcat ggattctaag ctaaataata  16620
atacaataat aaaaatataa ataaaaaaca atatgctata tagcagctat ttgcattgca  16680
tttacattat attaggtatt atgagtaatc cagagatgat ttaaagtgta tgtgaagatg  16740
tgcataggtt acatgcaata ctacaccata ttatataagg gacttgagca tctgtggtgt  16800
ctgctgcgag tactagaacc aatccttcat ggacaccaag agataactgt attcaaaacc  16860
aatgaaacca gtgaaagaga agtttcaaaa agattgaaaa cacagcaggg cagtcaagga  16920
aaccagggag aaaggaaaga ctagtggatt tgggtattag aagatgaaag attaaaacaa  16980
atcattccat atcagcatgc agtccataga ctactcctaa aagttcctga gacttcttta  17040
aggaatctct ttggggtaaa aattattttc atgatactac taagatgtat ttgtcttttc  17100
cctatgttga cacttgcact gatgttgcaa aatggtggta aaactgctgg cgccttagca  17160
caaatcagga cggtgacacc aaactgtacc agtggtcact gcattcttta ctgccatgca  17220
ctcacaatca aaacagagcc agtttcactt aagaatcgtt gatgaagtgg taaattttt  17280
ttgttttttt tttttgaggc agggtcttac ccaggctaga gtgcggtggg ggcatcacag  17340
ctcactgccg cctcaacttc ctgggctcag gtgatgctac ctcagcctcc tgagtagctg  17400
aggctacagg tgtgcaccac cacacctggc taattttgt ttttgttttg ttttgttttg  17460
ttttagaga tggggtttca ctctgtcgcc caggctaaat attgttaatt gtatcaaatg  17520
tcagtccttg aataaatctt ttttttttaa ctggtatgca ccaccacacc cagctaattt  17580
ttgtatttt agtagagacg gggtttcgcc atgttggcca ggctggtctg gaactcctga  17640
cctaaagtga tctacccgtc ttggcctccc agagtgctgg gaggtgtggg ccaccatgcc  17700
tgatcctgag tacatctttt taaacttgtt tgaagaaatg ggaaatatgc ataaaccgcc  17760
tctgctgcac actggtagag tacggtggtt gtcacaagga aaagcatttg ggcgattatt  17820
caagttgcat attgatttag cagcttcttt tttcaccgac caccattttt acttgaaaga  17880
atgatagaca aactatggtt ttagacttag gcatctggca gacagtctct tgaaactgta  17940
tgaagtgagc ctgtcacttc aaggtaaaca aatgacaata tttgtagcca gtgataaaat  18000
ttacactttc aagtaaaaat tagaattttg gaaaacttgt atccactccc atgagcttga  18060
ccactttca atatatacag acttttctgc tgaaatcaat ggtgaaattt aaggaatatg  18120
atttttgat atgtattcta atgaaatatg tcagtattta gaagatctgc ctaacaacag  18180
ggaaccagta tttttgcagtg atctatgtgt gatgttacaa agtcatgcat ggtaaaatat  18240
ccattcaaag tgcaagagaa gccaatgggt tttattataa caaaagttcc taactgttaa  18300
gaaactacta cttgtcaagt tttgatgtag cgctaaagaa tatccaaaat tatctgaaaa  18360
tgcagatact ttctctgtct gtgtaaagcc agattttctt tgtatatttt aaccaaacta  18420
acatattaca acagattaaa tgcagaagca gatttgagaa tccagtcatc ttctattaag  18480
tcagacagag gccataaatt tatgaaaatg taaaacagtg gcattcttct cattagatgg  18540
ctttattct ttgattgttt tgggaaatat agtggtttac atttaaagta tgttattat  18600
attaatataa tgtgtagtag ttttactgtt aatatttta ctgaattaat catatctttt  18660
actttttttt tagttttatt ttcttccttt tttttttttt tttgatttgg agtctcgctc  18720
tgttgcctag tctggagcac agtggcgtga tctcagctca ctacaacccc cacctcctgg  18780
gttcaagcga ttctcctgcc tcagcctccc aagtagctgg gatcacaggc gcctgccacc  18840
atgtctggct ggttttttgta ttttagtag ggtttcacca tgttggccag gatggtctca  18900
aactcctgac ctcaagtgat ccacccacct cggcctccca aagcattggg attacaggag  18960
tgagccacca cacccagttt ttagtcttat tttctaacac agtagacatt gatatatagt  19020
tcccacatta acaaaagttg tttggggtgc tcaatttatt tatttattta tttatttatt  19080
tatttatttta ttttatttta attttctttt tgaggcggag tctcactgtg tcgcccaggc  19140
tggagtgcag tggcacaatc tcggctcact gcaagctctg cctcccaggt tcacaccatt  19200
ctcctgcctc agcctcccga gtagctgggg ctacaggtgc ccgccaccac acccggctaa  19260
tttttttgtat ttttagtaga gacagggttt caccatgtta accaggatgg tctcgatctc  19320
ctgacctcgt gatccgcccg cctcagcctc ccgaagtgct gggattacag gcatgagcca  19380
ccgtgccccg cttatatttt ttttatttt atttatttat ttatttattt ttgagacagg  19440
gtctcaaaaa aaacaacttt gttgcccagg ctggagtgca gtggcatcat cgtagctcat  19500
tgtagcttct gtctccccag actcaggtga tcctcctgcc tcagcctctc aagtagctgg  19560
gactacaggc acgcaccacc caccccaccc aactattttt tttatttttt gtagagacag  19620
agtcttgcta tgttgcccag gctggtctca aactcctggg ttccagtgat tctcccgtct  19680
cagcctccca aagcactggg attacaggtg tgagccacca ctcccagcca aatttaccag  19740
acttaatgga aacagtccat ttctgtttct tcagatgaaa cctcacaact ttaggattaa  19800
taagtaatct cacaactatt gtacaggaaa taagaaaacg ttcccgctaa caatgcacgt  19860
```

10189

```
tgtgatagat ctggtccctg acacaaacag cacttggaac tgagtgaagt ccagagactg 19920
aataatacag ttctatccac tccctgtgct tgactacaac ccctgaagag ggcttgtaca 19980
aattaaatgt atcccagcag ctgcttgaaa gaccacagca ttggccgggc acggtgactc 20040
acgcttgtaa tcccagcact ttgggaggcc gaggcgggcg gatcacgagg tcaggagatc 20100
gagaccacgg tgaaaccctg tctctactaa aaatacaaaa aattagctgg gcgtgatggc 20160
gggcgcctgt agtcccagct actcggagag gctgaggcag gagaatggcg tgaacccggg 20220
aggcggagct tgcagtgagc cgagattgca ccactgcact ccagcctggg cgacagagac 20280
tctgtctcaa aaaaaaaaaa aaaaaacacg cattttgaat gtccctagca ttagggatta 20340
taaaggtccc attctagtag aagatcctca ggtttggagt gtactaaagg tcatcatcct 20400
tcgcctgcta ataaatttct gaagtccctg ctttaaacaa acaatcaaaa agaaggaaca 20460
gttacagtgc tgccaaacaa gttctttttt ttttttttgag atggagtttc gctcttgttg 20520
ccaggctgga gtgcaatggc gtgatctcgg ctcaccacaa cctccacctc ccaggttcaa 20580
gcaattctgc ctcagcctcc cgagtagctg ggattacagg catgcactac cacgcccagc 20640
taattttgta tttttttag tagagacagg gtttctccat gttgaggcta gtctcaaact 20700
cctgacctca ggtgatccgc ctgcctcggc ctcccaaagt gctgggatta caggcgtgag 20760
ccacggcgcc cggccaacaa gttcttacaa acctctgggt tgttacaaac ccatctggtg 20820
ctaataaagg taaggcatca accccaatct ccaagctgag aattttatcc tcaggactga 20880
gcactgcggc ctgcattcgg atgttagtgg ggctgtcaga accgtgtctc atgctgttaa 20940
aagtggaagt ccttcccact cagacccacg gaagccaact ctgatgagtg ggagggtgag 21000
cagaaggggc ttcggtcatt ttttatagat tcttcaggta actctagcca ccatattaag 21060
cattggctcc cacaaaaaag cattaaggct cagaaacatc ttgtagggtc acaccctccc 21120
taaaaacagc acatccctga agtggtggct gggcagccag gctccaaagc ccgctgagct 21180
gagcggcagc caagaacaag gtttggtgtt tacatactca aaatcagcct gggttgtcac 21240
agcaactcac ctcagcacag ttcttccttc tccacggcgg cttgcttcca ggctttgctg 21300
ttctccgtca ccgtcttaac gttcctgcta acctggcctg ctgcattctt tttatttttc 21360
tcccaattcc tccgccttct tctcatgtgt ttgctagtgt gcaatacctc acctgtttgg 21420
aactcaacaa cgtcccctcc tgcaaaacgc acctgaaaac aagaaatagc acacaaggcc 21480
tctaagtggc cagaacagat gttaccaggc ctaagtccat aaggaaagca cccaagcccc 21540
ttgcttttgt cttaaatctt tttttttta caccttaaa ataaggttat ggtttctaag 21600
gcctgccgta aattaggagt agggagagga actattgcca agcaccccaa aagttcaaga 21660
ggtgactgtt gatcccagag tagcaaggaa agggacagac aggctataag aagtggacac 21720
aagaactcag aactcaggac agtgtaggcc ttgttagagt caggcagaca atttcacata 21780
cctcagaacg tcataaagcc atcatgactt tactctggaa tagatacgat ccagacacct 21840
agaaaatgtt aaattagatt caacttaaag aggcagagta atatgtgtgg tgtttttaa 21900
tttcgagcat tccaaatggt taagggtttt catgcttaaa gagagaaact tagctaccta 21960
gaacttattt atgagtgctc tagataatta tctactgttt tatatttttt tatttatacc 22020
ccgttactaa aacaaagta aaaataaagc aaaagattga aggcattgac atttagtcta 22080
tatactttct agttcctggc tctagttctt agcaatattt gctgctaacc tggtgttctg 22140
tctctgccaa atttctgccc atgtgaaata tatgagactt gatcctattt ccttgctcat 22200
tgatctacct gaaagggtca tagatgtctc cacctcccta gagctagtga tcctatatcc 22260
catcatctca gccagctaga aaacgaacca tcacatgcca cctcctaccc aattacgtgc 22320
ttcataaaca gaatacctgg catatagcag gcatttacta aacacttggt gaatgaatac 22380
atgagccagt aatccataag atatctgtag aattaattac agttgagcct tgaacagcgc 22440
aggtcctatg ggatcccacc ccttgtacag tcaaaaatcc tcataaaact tttttttctt 22500
ttttttttga dacagaatct tgctcgttgc ccaagctgga gtgcaatggc gtgatctcag 22560
ctcactgcca cctccgcctc ctgggttcaa gcaattctcc tgcctcagct tcccaagtag 22620
gtgggattac aggtgcctgc accacgccta actaattttt gtattttag tagagatggg 22680
gtttcaccat gttggccagg ctcgtctcaa actcctgatc tcaggcgacc cacccgccta 22740
agcctcccaa agtaggggat tacaggtgtg agctgccgca cccggccgac aggtgtaact 22800
ttttttttt ttttttttt ttttgagaca gagtctcact ctgtcaccag gctggagtgc 22860
agtggctctc tctgctcact gcaatctctg ctcactgcaa cctctgcctc ccaggttcaa 22920
gcgattcccc tgcctcagcc tcctgagtag ctgggactac aggtgtgtgc caccatgccc 22980
agctaatttt ttgtatttta gtagagacgg aatttcacca tgttagccag gatggtctcg 23040
atttcctgac ctcgtgatcc acctgcttca gcctcccaaa gtgctgagat tacaggcatg 23100
agccaccaca cccggccaca tataactttt gactctccaa aaacttaact actaatagaa 23160
gacttaccaa tagcataaac aagttgatta acatatattt tgtatgtcat ttgtgttata 23220
tatgtatttc ttaccataaa gtaaactata gaaagaaaa tgttattaag agaatcataa 23280
gcaagaaaaa atatgtttac tcttcattca gtggaagtgg atcagcataa aggtcttcct 23340
cctcatgatc ttcaggttga gcaggcaagg aggaggagaa agagaaaggg ttgccatctc 23400
agcagtggca gaggcagagg gaagtctaag gggacccttg ctgttcaaaa ttgtgttgat 23460
caagggtcaa ctatacttgc atgaagctat aaatttaaga gcctagccta ttatgggaac 23520
```

10190

```
agcaattaaa aaaaaaaaca ccagttggcc gggcgtggtg gctcacgcct gtaatcctag   23580
cactttggga ggccaaggca ggtggatcac ctgaggtcag gagttcgaga ccagcctggc   23640
caacatggtg aaataccgtc tctactaaaa atacaaaaat tcactgggca tggtggcggg   23700
cacctgtaat cccagctact tgggaggctg aagcaggaga atcgcttgaa cctaggggcc   23760
ggaggttgca gtgagctgcc aagatcgtgc cattgcactc tccagcctgg gtaaaaacag   23820
ctaaactcca tctcaaaaaa aaaaaaaaac accagttgat cctggcacca ggaagatcaa   23880
atggcatttg tttgtttgtt tgttttgaga cagagtctcg ctctgttgcc caagctggag   23940
tgcaatggca cgatctcagc tcactgcaaa ctctgcctcc caggttcaag tgattctcct   24000
gcctcagcct cccgagtagc tgggattaca ggcacccgcc accacaccca gctaattttt   24060
tatatttttg gtagagatgg ggtttcacca tgttggccag tatggtctca aactccggat   24120
ctcaagtgat ccacccacct cagcctccca aagtgccttg gtttacaggc gtgagccact   24180
gcaccagcca gtacagtttt ttgttttgtt ttattttggt tttttgagac ggaatctcgc   24240
tctgtcgccc aggctggagt gcagtggtgc catctcagct cactgcaagc tccgcctccc   24300
gtgttcatgc cattctcctg cctcagcctc cctagtagct gggactatag gcgcccgcca   24360
ccacacccgg ctaatttttt tttttgtatt tttagtagag acggggtttc accgtgttag   24420
ccaggatagt ctcgatctcc tgtcctcatg atccgcccgt ctcagcctcc catagtgctg   24480
ggattacagg catgagccac cgcgcccagc ctttttttt tttttttttt taatgtatgg   24540
gggaaaaatg actagaagga cagaaaccaa catataacat gattgtgtgc atttacttat   24600
ttaacaaata attgagcaat ttatttctgt atgatactat tctaagcgtt ttagagttaa   24660
gcaaactcac agtaaactgt attgcccatg ataaaaactg cagttacata atttaaaagc ·  24720
aagaatcgca gcaattcatc aggcacagtg actacgcct gtaatcccaa cactttggga   24780
ggccaaggca ggaagattcc ttgagcccag gaggtcaagg ccagcctggg caacatagtg   24840
agaactcatg tccacaaaaa ttacaaaata gccaggcatg gtggcaagca cctgtggtcc   24900
cagctactca agaggctgaa gttggaggat cacttgagcc caggaggtca aggctgcagt   24960
gagcgatgat cgtgccactg cactccagcc tgggtgacag agcaagagac cctgtctcaa   25020
aataaataaa aataaaagca agaattgcag aaagtataaa ccatgaccaa ctcaagagaa   25080
taatcaatga aagaataggc agaatgtctt tccaaaaagc agttgagaga tccccatcct   25140
ccacatatgc actagtgcag tggggatgtt gccaggcatg gccgccagac ctctagatag   25200
aacactgaag gtgagtctgc agtaaagcca tggaatgtgc taattttagt ttaggaatac   25260
caaattttat tgaccgtttt taattcaata agcaacccttt ggccatgtat aatcagttca   25320
tgacccatca gaagatcctc tgtggttcac tcatggcctt tggactatac tctgaatcat   25380
ggctttagaa gacatttttt tagtatactt aaatggattt tataacttgg ttgatgccca   25440
gattacagac tgtgaggagt atctccacat aacttgtaac tgctatatat gcagtcagca   25500
attccagtat ttagcctgat attaatttat attttttcctc ataatctgat aatacagtgc   25560
tagcaagata gatcacaaag tgtaaatgag tgtttctgga gcatagatgg gtacgctcaa   25620
atctttgtat cttgtttttt aatagagacg gggtttcgct atgttgctca ggctggtgtc   25680
gaactcctcg gctcaagcaa tcccccttgcc tcagcctccc agagtgctgg gattatacat   25740
gggagccacc atgcctagct tccttgtatc atttttttaaa attcaagtaa gagaaaatgt   25800
ctggcaatag ttcataagct ataaatgaaa cctagtctta ggacccagct ttatattgcc   25860
tcaatcaaat attaatatct ttagttcaaa atttgtattt acaaaaaact tttggttctt   25920
ggggataccg ttattgcctt ctctgttgcc atccatataa tgtatgttgt ttttttttttc   25980
tctctccctc tgggctgcgt ttcatgccag ataaacttcc aaaccaaact gggatggcac   26040
caggcacaaa taacactctt cttatctttt ccccccatcta ggttacccct ttgctttgtt   26100
ttatcggcat tacctttct acaaggagac ctacctcatc cacctcttcc ataccttttac   26160
aggcctctca attgcttatt ttaactttgg tgagtaaact aaattagcag tgacaccgca   26220
attagtggga acctggaagg aacagacttg aacaaaattt ccttgagaga atctaatagg   26280
tagggaagtt ataatgctcc cacttgcaaa gagggttgta tgaagaggaa cacagcttaa   26340
cttttcctttt ttttctttta tgtacattct tctgtcagat aaaaacattt tgagggtggt   26400
taccccttgcc atacctcatc aacaaagaat cctcagtttc tctgtgctgt ggatgtaact   26460
gaatgaccga gccaagcagt ccccacttag attcattctt cacttcagac attcaaaaat   26520
acagtaacaa gctgggtgtg gtagcccgga attcaaggct gcagtgagct atgattgagc   26580
tactgcactc aagtctggac aacagagcaa gtcgcatctc taaaaaaaca aacaaaaaaa   26640
gaaaagaaat aaaataacac cctaataatc tttttttttt taataaataa tttccatcct   26700
ctcctccaaa acatgaggtt attctgaaaa aaaagatcct gatgccaaca tttttttttt   26760
atatattacg ttgtgattgg aagtctcagg acggtgggag tgtaaaaacc aggctaaatt   26820
ctctcttctt gcatccagga aaccagctct accactccct gctgtgtatt gtgcttcagt   26880
tcctcatcct tcgactaatg ggccgcacca tcactgccgt cctcactacc ttttgcttcc   26940
agatggtaaa cgtctttccc ttagcagctc aggctacagc tgacagcggt tcaggggaca   27000
ggggtaggca ggggactgtg gtatagaaat tagcagacct aatttctaac ccctctccca   27060
gcacttagca gtatgacttc aggtaggtgg cttatcacag gcccaagtgt tccatccaca   27120
gattgtaatg gtaactcttt gcctgcctca aggaagggcc accagctaac cctttgcata   27180
```

10191

```
ctgtgccatt aggctctttg gtttaaccca ctatccagga gcagagtcac ttcaaggcaa 27240
gacagaaaag caacttagaa tgagttaaag aacctaagcc taggccaggc aaagtggctc 27300
acacctgtaa tcccagcacc ttgggaggcc aaggcagtca gattgcttga gcccaggagt 27360
ttgagactaa cccgggcaac atggtgaaac cccatctcta caaaaaaaat acaaaaatta 27420
gccctccagc ctgggcaaca tggtgaaaca aaaaaaatta aaaattagcc gggtggggtg 27480
gcatgcacct gtggtcccag catctaaatt ctcatctcag tttagccctc attttgccaa 27540
gaagccttga gcaacgctct tcccattaca ggttttcagc acctccattt gtaggaattt 27600
attaaggctt ttaatgatgg gatgaggaga aaggaaaaag gaaagagaac attgaatttc 27660
agagcaagga gaagaaatag tagtgatgct agaataaata cttctgcctc tcctaggcct 27720
accttctggc tggatactat tacactgcca ccggcaacta cgatatcaag tggacaatgc 27780
cacattgtgt tctgactttg aagctgattg gtgagtgatg gtcactgcct gccttcctta 27840
catgtaggtc cctcccccat ctcactaaaa acttcctcgg cacccccct ccgcccccg 27900
ccatacactt ctggctgcac tcagtctaca ggccacatcc tcagtgtcct ctcccaccac 27960
cctacccatc cgttctctct ctgctcaggt ttggctgttg actactttga cggagggaaa 28020
gatcaggtaa gtacccattc atcggcagag aggttcaaga cttaatgaaa gggaagaaaa 28080
aagttgttaa caaaagactg aacccaaatt ccagagcgga gcctctccct cattccccag 28140
cctgtgcaat ctcccttca gatagcactg agcaaggatc aacaaatcta atttgcccag 28200
gatccagctc ttgcacaaag tccagagatc aatgccagca aggcatttgc taaagcagca 28260
acagccagct atgcacacac atacgcattt ccacaagaag caactatttg tcatccccca 28320
aagagaaggc tatttgaaga accccagtca gtggggcaca caggtgggga acactcaaag 28380
tggctcttgt ggggagattc aaggctatcc tgaaccatgc attctcttct tggcatagaa 28440
ttccttgtcc tctgagcaac agaaatatgc catacgtggt gttccttccc tgctggaagt 28500
tgctggtttc tcctacttct atggggcctt cttggtaggg ccccagttct caatgaatca 28560
ctacatgaag ctggtgcagg gagagctgat tgacatacca ggaaagatac caaacaggta 28620
attgcccctc ttggtccaga tgtttgtgta ggtatttcac tcactctgaa gtgactcttc 28680
tgaaagctgc attctccagc atgaccctgg catagagacc tgagtcatgc aggccctgga 28740
ctgttgtaac aggcactctg tgccaggagt gggccctttt tagtttaggg ttcttccagt 28800
tatccattct aacactagta caaacataaa aatccacatt tatgccacag gattttgcct 28860
gaaccagtca catttctgcc tttaaagcct attttcatgt atatatgaaa tatatttatg 28920
attgataggt aggtaggcag gttgataggt aggtaggtag atagaggctg ggcacagtgg 28980
tttcacctct ataatcccag cactttggga ggccgaggtg ggaggatcac ttgagcccgt 29040
gagttctaga ccagcctggc aacatagaga gactctgtct ctacaaaaaa atacaaaaat 29100
tatcagacat agtggcatgc atctgtagtc caagctacat aggaggctga agtgggagaa 29160
ttgcttgagt ccaggggagg tgggtcaagg ctgcagtgag ctttgatcac accactgcac 29220
tccattctgg gcaacatagc aaaatcctgt ctcaaaaata tttatcagta ggaaatgcag 29280
gagggcacag tggctcatgc ctgtaatgcc aacgctctgg gaggccaagg caggaggatc 29340
actggaggcc aggagttcaa gaccagcctg ggcaacatag tgagacccca tctctacaaa 29400
aaaaaattat ccaggcaagg tggtacatgc ctatagtccc agctactcag gtggccaagg 29460
caaggggatc gcttgagccc aggagttcaa ggccacagcg agcaatgact atgcctctgt 29520
actctagccg gagtggcaga gcaaggccct gactctagaa aataaaaatt aaaatggtaa 29580
aaaaaaaaaa aaaaaaaaag tttaattgcc agaagaattc cttcactgag aacttgtcca 29640
tcctgtgttt cagcatcaat tcaaccaaga aatgaaggag cagattcaaa gtggttattt 29700
ttattatctt acctccactg ggttttcagt cccaatggag attgtgagac ctggcaagac 29760
cttgagatca gtagcatccc tgaggggtaa acacaagact ggtccactgt ctgctgccct 29820
gactttccta caactcttaa gaggtttgca gtccccattc ctcatagcca gccatagaaa 29880
tctttccctg aaacaggaaa cactttgggc agcagagctt ctcatcccat tccaggtaga 29940
caaccacacc cctaaacact cctctccata actgaaggtc agagggtgaa gggaatagtc 30000
tctgctctct gtgaccagga acttcactcg ttcctttcca gcatcattcc tgctctcaag 30060
cgcctgagtc tgggcctttt ctacctagtg ggctacacac tgctcagccc ccacatcaca 30120
gaagactatc tcctcactga agactatgac gtgagtgtct actaaagcag cagcagcatg 30180
actgcaccag agctagaaaa tggacaggca aggatcccta cagatagcag agaagtagga 30240
aatatcatct acaagtgcat gttggttttg ctctagatct gtgagttgtc aatgccagcc 30300
gtgctgggac atgttcatca gccagcactg aacaaccttc gcgggcacag ggctgtgcca 30360
ggtgcacatt tagcacccgt tgccttctct aggagccgct cctagcttgc cttatcacat 30420
ccacgtgacc cctcagagca cagcagcttc tgattctcca tcctattttc ttctcttgac 30480
tgatacattt gggcacttct agggaattca gaaaccaagg gaagggggga agtgctggct 30540
tttgctcctg cccagctgaa aggcttgaaa acagttcagt aattctgggc aggtttctct 30600
ccttaaatta aaatccaata tgggcccctc tgtacttaac attccaaatg ctcattccaa 30660
acactttgcc aacgaaggca aacagtagag aagttaaata cagtgctgcc cttgaggctc 30720
tccaagggaa aggcgaatga atattctcca ggccctctgc ttattcctct ctgcctattg 30780
tgaaggcaat caggccagac tattgagggc atctggcagc aggactcagg caggtatgaa 30840
```

10192

```
gtagccagcc acaagtgtga aaaggaagag tgctgagaga aactgcctag tcatgtgata 30900
tccctaatgc actgtgcttt cttccctcaa gaaccacccc ttctggttcc gctgcatgta 30960
catgctgatc tggggcaagt ttgtgctgta caaatatgtc acctgttggc tggtcacagt 31020
aagtagaaaa gttgaaacaa ggtcctattt agacaagcca tgggggccag tatgggggagt 31080
ggcaagagcc ctaactgagc tattccctct caggaaggag tatgcatttt gacgggcctg 31140
ggcttcaatg gctttgaaga aaagggcaag gcaaagtggg atgcctgtgc caacatgaag 31200
gtgtggctct ttgaaacaaa ccccgcttc actggcacca ttgcctcatt caacatcaac 31260
accaacgcct gggtggcccg gtgagctgct ggtggggagc ctggaccctg gttccttcct 31320
tccactgtct tcccagattg gagggcaggg gtgtaccatg tcacccctat gcgtctttcc 31380
catctgggca gaacccctg tcgctcacac tgactttgac ccccacctat accccctcc 31440
caaaaaaacc attactgtca tatttgaaaa aaaggcaaga tataaaagtg cgttaagacc 31500
tgggtgttac tccagctctg ccaatggact tatgtcctcc actgccctgt ttatcaacag 31560
ctttacttgt ttgtccccac cactagagtg tgggcagctt gagtagagtg tctggttcac 31620
cactgatctc agcatcagcc tcagtcactg ctgctgaacc aagtggctcg tgcgcacacg 31680
gtctccagct ccgccttggg tctgctttcc atctctaaaa gtaatcagtc agcactgcct 31740
cctgtaccct ctgggggcta cacgtgggaa cccaccagca ctccaatcca atcctcaggg 31800
tgaggaccca gaggcaggtg gcgggatgca aggaccagtc agtttgaggg tcgccccacc 31860
cacccttttc tccagctaca tcttcaaacg actcaagttc cttggaaata aagaactctc 31920
tcagggtctc tcgttgctat tcctggccct ctggcacggc ctgcactcag gatacctggt 31980
ctgcttccag atggaattcc tcattgttat tgtggaaaga caggtaggcc tccagggtgg 32040
gggtgaaggg gaatataagg gacaagatgc tgatgagctc ctcctccctc cccaggctgc 32100
caggctcatt caagagagcc ccaccctgag caagctggcc gccattactg tcctccagcc 32160
cttctactat ttggtgcaac agaccatcca ctggctcttc atgggttact ccatgactgc 32220
cttctgcctc ttcacgtggg acaaatggct taaggcaagt gaaggcctgc ttgtgagact 32280
gggagggact cactgcaacc tcaaaggttg caaaggacac tccaggcctg tctaccttag 32340
tggcctctct ctccacaggt gtataaatcc atctatttcc ttggccacat cttcttcctg 32400
agcctactat tcatattgcc ttatattcac aaagcaatgg tgccaaggaa agagaagtta 32460
aagaagatgg aataatccat ttccctggta agttaataca gctaaactaa aactaccacc 32520
aggttacaga atagagcaac agactggaaa aaaacaatag tattagaaat ctggggtgaa 32580
ttccaaggat tagcctggct actaaggaac acagtatggg caatgactac tgtgacttat 32640
tgaggcatgc taggaaacat ctggaagggc tatagaccag gaattacagg agtaactaac 32700
cagccttcca aactcctctt gtcttgcagg tggcctgtgc gggactggtg cagaaactac 32760
tcgtctccct tttcacagca ctcctttgcc ccagagcaga gaatggaaaa gccagggagg 32820
tggaagatcg atgcttccag ctgtgcctct gctgccagcc aagtcttcat ttggggccaa 32880
aggggaaact tttttttgga gaaggcgtct tgctttgtca cccacgctgg aatgcagtgg 32940
cgggatctca gctcaccgca acctccacct cctgggttca agtgattttc ctgcctcagc 33000
ctcccaagta gctgggaata caggcacgcc accatgccca gctaatttt gtattttcag 33060
tagaaacggg atttcaccac gttggccagg ctggtctcga actcctgacc gcaagtgatc 33120
cacccgcctc cgcctcccaa agtgctggga ttacaggcgt gagccaccgt gcccggccca 33180
aaggggaaac tcttgtggga ggagcagagg ggctcacatc tcccctctga ttcccccatg 33240
cacattgcct tatctctccc catctagcca ggaatctatt gtgttttct tctgccaatt 33300
tactatgatt gtgtatgtgc cgctaccacc accccccca tgggggggtg gagaggggtg 33360
caaggccctg cctgctccac tttttctacc ttggaactgt attagataaa atcacttctg 33420
tttgttcagt ttttcaccac tagcattcct gactgctctc tttcacagtt cttctccatc 33480
atcagggttc tctcctttag cacatgggaa tctgggagct aaagcctgcc ttcaaagcat 33540
ggaaccaaac tgcaaactct gtaacctcct atctgtccct gaagtcccgg ggaacaaaca 33600
gttttacacc actggatact ttaggaaccc caaaacaacc aggtttgcaa gaacagtatt 33660
cataggataa acaaatagca aatgtacagc cttggcttcc ccaaactcca cagtctcagt 33720
gcagaaagat catcttccag cagtcagctc agaccagggt caaaggatgt gacatcaaca 33780
gtttctggtt tcagaacagg ttctactact gtcaaatgac cccccatact tcctcaaagg 33840
ctgtggtaag ttttgcacag gtgagggcag cagaaggggg gtagttactg atggacacca 33900
tcttctctgt atactccaca ctgacctaag aaaagaacag ttttgtcagc caactctgtc 33960
actcagtagc tgtttcagcc cttctttagg gcaggaaaac tatggctgag ctagtatttc 34020
agctgtgctg ttgaatatca aatccctaca aaggatgaag aaggtcctaa ctgtgacttc 34080
caattatggc agcagccctc aaaggatgtg ccctggggca gggtgtggaa ctgtcatgtg 34140
tcttctagct cattgtaagc attgttaaaa tgcctactgc tctgggaatt ctatactaag 34200
ttcagctcta ccaagaattt cagggttgag cccagacctt accttgccat gggcaaaggc 34260
ccctaccaca aaaacaatag gatcactgct gggcaccagc tcacgcacat cactgacaac 34320
cgggatggaa aaagaagtgc caactttcat acatccaact ggaaagtgat ctgatactgg 34380
attcttaatt acctaaagta aaaaagagag aaaagtcagc cccagaaaca ttcccagaac 34440
cagccttcaa ctaacaggtt tcaatacctc accttcaaaa gcttctgggg gccatcagct 34500
```

10193

```
gctcgaacac tgagcttgtg taaaagttga actagaaggg ggaaaaaaga gttcagagct 34560
agatggagac cacagtcctt ctgtccagtc atcgaacaag gaaaacccca tggataagat 34620
gagttccctg tgtgctttat atctagactg gactcctgaa atgttaggaa caaacagttg 34680
ccaagcatat ggctagctgt acagtgatgg gttcagactc cctctttcac tcagccagga 34740
agctactgca agaacaggag tggagtttcc acaaacatag aaaaataata acagtccttg 34800
tcctggtatt aatcatgttg ttctcccatt ttctcgctta aaaatccaca tttagttctc 34860
ccttttcctc ttcctccctt cttccctact gacaagttca ttctaacttt gttctaaggc 34920
ttcttaccca tgaggccaca aaagcggtca aaggttctgg gaattcgggt ctggggattc 34980
acttcaatca gaacattctt ctgtgtatgg atataaacct gtagcaagcc agctcggttc 35040
aggggactat ccatcagcat cagcaaactc tgagcaaagc agaaaccgag acatggttaa 35100
ggctgaagag aggcagcact cagctgccaa cccttccata cagaggctca aagggttgtg 35160
agcactgtcc ctggagttac ctggtgggtg atatctggcc gcgcttcccc agggtcccgt 35220
ccattcttca acaatataga cttgtgcttg tcacagttga gtagctcata tgtcttccct 35280
acctgaagaa cagggaacat gacgagagaa cagcataagc ttctgttacc tagccccgtg 35340
gttcttcaag tgtggtcccc aaactaccag cagcagctgc acctggaaac ttgttaggca 35400
aattctcagg cccaccctag acctactaaa ccaggaacac tgggggtgga gcccagcaag 35460
cccttcgggg gattactgtg cagccttatt tgcactcccc agtgaatggt ctgagaggga 35520
aacaggagga agggcacaac ctgtgacttc acattatcta ctaatacact ggatttaatt 35580
aaaaaacctg tggctgttag gcaaggccaa tgagacatcc tggaactagg caggagttag 35640
tagttagcaa ggctgaatgc tgtgtttatt acaggagcag taagtaggta ctgtgcaaaa 35700
tatcgagtca ccaccctcag tttgcgtaca ccaaacatgc actaagtgaa gagctgcaaa 35760
tctgaacaag aaatgtgaag gccgggcgtg gtggctcacg cctgtaatcc cagcactttg 35820
ggaggccgag gcgggcagat cacaaggtca ggagattgag accatcgtgg ctaacacggt 35880
gaaaccccat ctctactaaa aatataaaaa attagccggg catggtggca ggcgcctgta 35940
gtcccagcta cttgggaggc agaggcagga gaatggcatg aacccaggag gcggagcttg 36000
cagcgccact gcactccagc ccgggcaaca gagcgagact ccatctcaaa aaaaagaaat 36060
gtgaaaacta atgatgcagg aggcagttta atcaaagaaa actctcagaa gtaaaaggaa 36120
gaggggttat tcccagtttt aagacgggca tgggggcaga tgcagtggct cacggctgta 36180
atcccagcac tctgggaggc caaggcaggc aaatcactta aggtcaggag ttcaagacca 36240
gcctgggcaa catggcgaaa ccccatctct actaaaaata caaaaattag ctgggcatgg 36300
tggcacatgc ctgtagtcct agctacttgg gaggctaagg tgggaggatg gcttgagccc 36360
aggagacaga gattgcagtg agccaagact gtaccactgc actccagcaa gaccctgtct 36420
caaaaaaaag aaaaaagaaa gactggcatg agcaaaggta cagatggaat caagacaaag 36480
tagccaggtg tggtggctta tgcctgtgat cccaacactt taggaggccg aggtggaagg 36540
atcacttgag cccaggaatt tgagaccggc ctgggcaaca cggtgggacc ctgtctcaca 36600
aaaaaaaaaa aaaaattag ccaggcgcag tgccatttgc tggcagtccc agttactcag 36660
gaggatgagg tgggaggact gcttgagcca gggaagtaga ggctgcagtg aaccatcaca 36720
ccactgcact ctgttgccca ggcaacagag caagaccctca tctcaaaaaa gaaacaaaaa 36780
agaaaaagtg gaaacgaaga aaggaaattt tgaggaaaat tgggagctga gacactaaag 36840
ggcagtgatt atatatgaag ctgctttgta aaccacagaa tcctaatgta tcaagcacaa 36900
agccaaaaat aattctggag taagcagggc aggatgggaa tgactgacag acactatcct 36960
aacaactctc tgtacactgg aaaagacatc agaagtttga tgttaaagaa gtggactaca 37020
tctgtagcag ctaaaagaaa taattccaag ttgcaatttg gagtcccaag gagcattagg 37080
gtggtcagta aaaagtctaa aaacaaactg ttatatacaa atacaagttt tggaaggtta 37140
agttttatg tatcactgga atgtatatgt ctagcaacat tcttgagata tatggctcca 37200
aaaagtctgc gaaaaagggg atgtagattt tgaaattgaa tagttgaagt aatgtcacag 37260
agagcacaaa gaacaaatga ccaagaacta agtccatgag acacccttag ttatagaaga 37320
aaaaaacctt cttgaatgaa taatacagtt tcaacccatt agtaggatat aatcatgttt 37380
tctattcttt taatagatta caggcgcagg cctgtaatcc cagctactct ggaggctgag 37440
gcaggagaat cgattgaacc cgggaggcgg aggctgcagt gagccaagat cgtgccactg 37500
cactccagcc tggtagagac tgagactcca tctcaaaaaa aaaaaaaaaa aaaagtgtat 37560
ttagaacgaa gattaaaatc ctggcctgac ttctaaacca atgcgatttc ttctgggcct 37620
attcaattag ttctaacggg taagagaaag gaggaggaag aacactgccc aaggctttaa 37680
gatagagaac tgctggttct attacatgtg gggaaagaga tgaatgatag ataaaaatgc 37740
agatgtaaaa gttttaaata ataaccaggt ctggacagtg tatcataggt ggatattaga 37800
gagaggtgac tatggatact aatgaattga aacacgaagc ccttacaaaa agtgtgggca 37860
gactaggcta cataactacg tttctcatct gcccagtaac ttgtcttggg atgtggaatg 37920
acgcaaggaa cgaaactttc ctctgcttag actactatac cacagaatcc tggtaaacca 37980
attggaagca aggaggtgag ggctagaata tcattcaaaa agagcaaaag aaaatgagta 38040
ctaccggccg ggcacagtgg ctcacgcctc taatcccaac actttgggag gccgaggcgg 38100
gcggatcact tgaggtcagg agttcgagac cagcgtggcc aacatggtga acccccatct 38160
```

10194

```
gaactaaaaaa tacaaaaaaa ttagccgggc gtggtggcac ctgcctgtag tcccagctac   38220
tccagaggct gagtcaggag aactgtttga aggcgggagg cagaagttgc agtgagccga   38280
ggtcgcgcaa ctgcactcca gcctgggcga cagagcgaga ctccgtctca aaaaaaaaa   38340
aaaaaagaaa gaaaaatgag tactaccatc ccaggatgtc aaatcaacgc aaagccaacc   38400
aagccacctt ccttcaaaag catctttcac ccctctctgc tttctacatc cactctgggc   38460
cccttaccct cattccacgg agtcccaacc tatcgattta ctacttctcc acttcctgtc   38520
ccaaactacc ttgactgtct ccagactggc cccttccagc accacaataa gcctacggcc   38580
tccgatcttg tttcctgccc ctagtcgggg ccgcttgggt ggcagagcat cccagtcctg   38640
tgcctgctcc ccaccgcttc gttcacgagg cttgaatcca tcactgggcg cggccatctt   38700
gcaacaatac cggaagttgc gctaacgctc ttaaataaga acagcgcggc ttctaatcac   38760
aaatttcctt c                                                        38771


<210> 11554
<211> 1694
<212> DNA
<213> Homo sapiens

<400> 11554
atttaatagc tctttgaacc taattcagtt cttttcatgg tcttacctca atgcaggtcc     60
aagacaaagt ttctaggcct gttccttgct atttgcccca gtgtagctct ccagacaaaa    120
tggccttctt tcacttactg aaaggcactg ggttatttcc tccctcgctg tcttcatctg    180
tgctatgctt tgtggctgat ctttttgcct ggactattca ccgttctgct cttctcttcc    240
tcttgcccct ctccgtcttt tcctgctaat tccagattac ctttaagatc ttagtttgga    300
tgtcattgtc ctagggacac ccatcttgac acctatatta tattaggtta attttttccag   360
aatgtgcttt cataagacaa tctatacttc tcagcattta acataattgt aatgaattaa    420
ttacttgtgt aattattctt taatgcctgt cttcttcact agattgtaag ccttctgaag    480
gcagagacca catctgtctt ctattgctct ggcttctagg acagtgcctg gaaagtagtt    540
gtttagccat aagtatttat tgaatgaata caagggctgt gctgtgctag gttctcattc    600
attcagcaga catctgtgga gcacctgctc tgtgccagcc ccttggcatg agaggaaggt    660
gggacatacc aagattaaca aatcgaggaa atcgcatctg ctagaggagc aggaacatag    720
actcctgtaa ctgtagccca tggcaggaag tggagagtaa atatggagat gaagttagaa    780
aggcaagtag gtggttttg atgctgcttt cttgttcaat aaattgagta cctgctgtgt    840
gccgggggctg ggcattcagt agtgaagacg agagaattcc taccttcagg aagattatag    900
tctagcaggg aaaagaagca aagaaacctt ttcctcctag gccaacaggt atttatggag    960
agagtaggtg agcactttga ggtggtcctt ttggtctaag aatctgtatt gagacttcac   1020
acttcattag acctgggcga ggcagttaaa aatactctca ttaaccagag tgaaattcca   1080
agggaaaagg aagggaggat aaggaacatt gtttcctctc attgcatctg tggttaattc   1140
aggctctgaa atccttccca tgggtcatgg acctatggtt tcctatccta agttggaata   1200
tgtgcagtta aatacctaac cattctcagt gtgccattgt ctcatttgat tcccacatag   1260
ccctctgagg tgcacaggca ggaatgccta ttttcagct gggcaaacag gctctggaag   1320
gcagacttgc ccaaggtgac acagtttgaa ctgggaaggg atcagaaatc tctctggctg   1380
gctgggtgcg gtggctcatg cctgtaatcc cagcactttg ggaggccgag gtgggcggat   1440
cacgaggtca ggagtttgag accagcctga ccaacatggt aaaaccccac ctctactaaa   1500
aatacaaaaa aaaattagcc gggcatggtg gtgcacgcct gtaatcccag ctactcagga   1560
ggctgaggca ggagaatcac ttgacccgg gaggcagagg ttgcagtgag ccgaggccaa   1620
gatagtccca ttgtactcca gcctgggcaa cagagcgaga ctctgtctca aaaaaaaaa   1680
aaaaaaaaaa gaaa                                                     1694


<210> 11555
<211> 5775
<212> DNA
<213> Homo sapiens

<400> 11555
cgggtccgta gtgggctaag gggggagggtt tcaaagggag cgcacttccg ctgcccttc     60
tttcgccagc cttacgggcc cgaaccctcg tgtgaagggt gcagtaccta agccggagcg    120
gggtagaggc gggccggcac ccccttctga cctccagtgc cgccggcctc aagatcagac    180
atggcccaga acttgaagga cttggcggga cggctgcccg ccgggccccg gggcatgggc    240
acggccctga agctgttgct gggggccggc gccgtggcct acggtgtgcg cgaatctgtg    300


                                  10195
```

```
ttcaccggtg agcaacctcc gcctgctcgc cggacgcttc cagtccctcc cccaaacccc   360
ttgccctgtc cccgcgcccc tccacgggcc tagcatttcc tctgagcagc ggcctggcct   420
gatcaccacc catctcccca cagtggaagg cgggcacaga gccatcttct tcaatcggat   480
cggtggagtg cagcaggaca ctatcctggc cgagggcctt cacttcaggt aatggcgggc   540
agagcctgct gaccctgacc tttcaccctt gacgccgacc cagcagtggc tatagtcgga   600
cgtgcaacag gattcaacgc tgctcttttc ccaccctcct catccctgcc cctaggatag   660
tgggtgctgc gagaacctcc agcagcatac aaactgttgt tttccagagg gacaagagaa   720
tctctccttg tctgtggtcg tggagaggag caggccaaaa aacgcgtggt gaggggaaac   780
cgggcaaggc tagtgaaact gcggcctttt cttttttttt ttttggagag ggagtcttgc   840
tctgtcgccc aggctggagt gcagtggcgc gatctcggct cactgcaacc tccgcctcct   900
gatttcaagc gattctcctg cctcagcctc acgagtagct gggattacag gcgcccgcca   960
ccacgcccgg ctaatttttg tattttagta gagacggggt ttcactatgt agatcaagct  1020
ggtctcgaac tcctgacctc aaatgatccg cccgcctcgg cctcccaaag tgctgggatt  1080
acaggcgtga gccaccgcgc ccggccgaaa ctgtggcctc ttaataccta tccctgtcct  1140
ctccaggatc ccttggttcc agtaccccat tatctatgac attcgggcca gacctcgaaa  1200
aatctcctcc cctacaggct ccaaaggtag gtctgagcac ttggtaatca catggcaggt  1260
gggatgatca aggtagctgg caagaaaccc caggggaata tggtagtgtc aggcctttag  1320
gcctctttcc acatctgcaa gagctgtaac aaaaatacct gcctcctggg gtcaaagcag  1380
caaattctga acacactgtg tttgcgtgct ttttactgtc cctcccctga cgtgtattca  1440
ataagagtat tgtttgtccc tcgtcttgtt cactgcctag atcaaagctt tgttttaaag  1500
cctttttttt ctaactgctt gacttactat atctacagtt acatccacta gtacactctg  1560
ttctggagaa gtttgtccct aagcttgact agttcacctg ttctctcctt ctagaccata  1620
cataaaagcc gtgcctttga gttccccaga cctcttcctc ctccccaccc acgcacacat  1680
atacaccctg ggtcaggtag ctcacctgta acctgtaatg tacttctttg tgctatacct  1740
agtgcaggtc gcttattcat ttactagact gggccctggg aataaaagat tcattaaaca  1800
caattcttgt cccccaagtc cttacaggag acatgattac ggtacagcac gaaagcgccc  1860
acgttagagg ttgcacagag tacagagggg gaaagagtag tcagctctgc tggtgacggg  1920
gtttgcagtt caaggcttca cagtgggtga gggtgcattt cagctgtgct gcgtcttgtc  1980
ttccttgtca gcctgattaa ctctcctccc cccagggtag tgccaggctg tacaccattg  2040
cacagggcat acagggagga acatgaagga gaaaatgctt gggaaagggt gtttggcctt  2100
gaccagccac tgctgacctc aatctcagac ctacagatgg tgaatatctc cctgcgagtg  2160
ttgtctcgac ccaatgctca ggagcttcct agcatgtacc agcgcctagg gctggactac  2220
gaggaacgag tgttgccgtc cattgtcaac gaggtgctca agagtgtggt ggccaagttc  2280
aatgcctcac agctgatcac ccagcgggcc caggtctgac tcccaccacc atctgcgtgg  2340
tgtcagcctt tccttcctag gcccagagta ttgggaatta ggaaaggcag cttattagaa  2400
aagcattgtc accctagtgc catttccacc taaaagctgt gctaattgcc actgtgaaat  2460
aaggagagcc agcattagaa ctcgatagca ctcggtgtta ggaagcacag aggaaaatgg  2520
ccaagtcttg gcttttcctg cacctcttcg agcagagagg cttatgttac aggtttgcct  2580
gacaggaagc taaggcagtg catgttgtat tgagagtgaa gggttagggg tcgcaacctt  2640
cctttcagct ccccagtccc ctcaaaccac ccctcccttc ccctcttcac ccctgccctc  2700
aggtatccct gttgatccgc cgggagctga cagagagggc caaggacttc agcctcatcc  2760
tggatgatgt ggccatcaca gagctgagct ttagccgaga gtacacagct gctgtagaag  2820
ccaaacaagt gggtgagtcg caagagccgt ggggtgaggg cttctgagat gcaggaggag  2880
gaaagactcc atgggtgggg ctcctgaccc aggacagggt ctccctgact ctctcccacc  2940
acagcccagc aggaggccca gcgggcccaa ttcttggtag aaaaagcaaa gcaggaacag  3000
cggcagaaaa ttgtgcaggc cgagggtgag gccgaggctg ccaagatgat atccttctgc  3060
tggagagatc tcagcccagc ccctagggca cctgagttcc ccattctcct tcatgggcag  3120
gctgatgaga ctaaggcgaa tgcgactccg tgctctctgg cccttggctc cttgttgggg  3180
gtggggacta cagatgagat ctgaaatctt agtggtagta cctgagccat gactccccac  3240
tgtaaggcca gatcaatagc attggtggcc ttgccttcat ttctggtgct gcccctagtt  3300
cctggcagca gcctgcaggg aggcccacag gtggggtcca cggtagggct gggcacaagc  3360
cacctgagcg caaccttgga tctgacagcc cagaggagga ctggagcaag ggagtgtggt  3420
aaggacaggg ccagggattg agacctgccc ttgcgtgtac cttaaccctc ctcaccttgg  3480
agaagcactg agcaagaacc ctggctacat caaacttcgc aagattcgag cagcccagaa  3540
tatctccaag acggtgagtg tgtcagccca gcgtctctga tggggctgcc ttgagaaagt  3600
gctttcagtt aaggcacatt gaggtgaggg aattcgaacc ttgcttgttc cggtttctac  3660
tcagattggc ttctctggcc ggcgcggtgg ctcacgcatg taatccccgc actttgggag  3720
gccaaggtgg gtggatcacc tgaggtcagg agttcgagac cagcctggcc aacatggtga  3780
aaccccatct ctactaaaaa tacaaaagat aatgagcccg ctgtggtggc gtttagctat  3840
attccagct acgcaggagg ctgaggcagg agaatcactt gaacccagga ggcggaagtt  3900
gcagtgagct gagatcatgc cactgcactc cagcctgagc aacagagcaa gactccgtct  3960
```

```
caaaaataaa taaataaaaa attggcttct ccgatactcc tcctgtcaag aatgattcct      4020
ctgggttccc tgacctTttg ttctaatcat agctgctgct cagcgctctg gatccctaag      4080
tgcgagcaga aaccatgtgt tactcattgc tgcacccctg ccctaatctg catgtgttcc      4140
atgttaagta gctgctgaat tgcaggggtc ggaattgagg tctttgctta atgcaagcat      4200
ctgtcttatt tcctgccctg tagatcgcca catcacagaa tcgtatctat ctcacagctg      4260
acaaccttgt gctgaaccta caggatgaaa gtttcaccag gtgagagatg tggccacact      4320
gtggggtatc accaagaacg tgggacctga gtctggttgt ttgggctctg gagcctgcta      4380
cagctattca tatggctcag agacattgaa ccaaaattag aaaagggggt ggttgacagt      4440
ttctatcttg catctcatag gattgatttt atgagatcaa ataggattat tcacataaaa      4500
agcactttaa ttataaagtt ttcatctaac caaaaagtga tgaaagatga tactcagttt      4560
tcttactcaa gagccctcaa actcctctgg tgaatggagg gatgttagga aaggagatga      4620
gaaatagcag tggccatgag aacatgcctc ctcctttcat gagcctgaga ttcctggctg      4680
tcaaccctgt ttatcttttc tcttgggagc aaaggagggt tcaaagctga gtggggcctg      4740
aagctgtcaa ttaacatgtg catttctctt ctctgtttct tgttcatctg gcgatctggc      4800
accacagggg aaggtaagct gttgttgctt ctgtggggtc ctgcaggcca ccttctccag      4860
tacccgcctc ctaccctacc cccttttccca cctccccgaa gacaaaccct caatcagggt      4920
aggagggtcg tagagggaat ggcctagagt gtcctgcctc tcacatttat gtccCctaat      4980
aatgtcatta tctatctttt ttttcctaca gtgacagcct catcaagggt aagaaatgag      5040
cctagtcacc aagaactcca cccccagagg aagtggatct gcttctccag tttttgagga      5100
gccagccagg ggtccagcac agccctaccc cgccccagta tcatgcgatg gtcccccaca      5160
ccggttccct gaaccCctct tggattaagg aagactgaag actagcccct tttctgggga      5220
attactttcc tcctccctgt gttaactggg gctgttgggg acagtgcgtg atttctcagt      5280
gatttcctac agtgttgttc cctccctcaa ggctgggagg agataaacac caacccagga      5340
attctcaata aattttattt acttaacctg aagtcaaggc ttcacgtgtt catgaactgg      5400
gtaactggca gcaagcatgc gcacgttcac atgtgcgctc ctgggtctgt ctttgtgtgt      5460
gccagcaggg ggcgcaaaag aatctggctg gggcggctaa ggggaagcaa ggcctgggct      5520
ccgaaacagg acccaagctg ggaaggctgg ccctgagttc tcgaggccca gctgtgctct      5580
tcacacaccc tccatttctc ccacatcacc cattttttta aggctggaca gccatggctt      5640
tgctgagcca gattaaaaat ctgatgaccc caacaggagc tgcttccttg gcagcagggt      5700
tccttgtggc tgtggggagc ctgcctgtgc ctgttgaggc acttctgtgc ccagaagccc      5760
agtggatcgc gtggc                                                       5775


<210> 11556
<211> 738
<212> DNA
<213> Homo sapiens

<400> 11556
ctggagcccg gggtcctccg ctcaactcag gacgttgagg ctgcattgag ccaagatcat      60
acctctacac tccagcatgg gcaaaagagc aagattctgt ctcaaaaata aataaataaa      120
ttttgttttt aattagccag gcatgatggc atgcacctgt agtcccagct attcaggaga      180
ccaaggtggg aggatcattt gagcccagga atttgagact gcagtgaact atgatgatgc      240
cactgcattc caacctagat gacagaagga gacctcatct ctaaaaataa atatatatat      300
tttttccaac cactttttat ctatacccca atgtcttaca ttccataaaa catcatgttt      360
tgaattccag tataacttta tcgttaaaca tgtttctttg cagaagcatg tataagttag      420
ggtccacaag attatttgca taagctaatt tacaaaaaaa attatataat cactgacatg      480
aaagcatgtc tgggcagcca tgggagctca tatgaggcgt ccagttcagt cgcctttTaa      540
aaatgatatt tgcattagct gggcatggta gcatgtgtct gtagtcccag ctactcaggg      600
gactgaagtg agaggatgca ccagagcccc agaagtcaag gctgcagtga gccatgatca      660
catcactgca ccagcctggg caacaggagt gaggccttgt ctcagtcagt caatcaatca      720
atcaataatg gtatttgg                                                    738


<210> 11557
<211> 1707
<212> DNA
<213> Homo sapiens

<400> 11557
tctgatgatg tgtgtatttc agggaccggt cagcggcaac cacctatttc tgcaagcagg      60
```

10197

```
ccccagaaga gaaccagccc accaatgaat cgctgcagga ggaatggatc cctttccgtc    120
gagttgagga aggggagaag gaatttcatg ttcggaatcc ccaggtaagt ttgtgccagt    180
tggggaggga gagttaatga gcctgttctc tccctactat atttgatagc aagactttta    240
gttaaccctc tcttgaaatg tcagtcatag tgggtctgag tttgccacat cagtggaaat    300
acataggata ttaatcagga ctcttgcaat tgctgtgaca gaaccccaac ttaggcttac    360
ctaggcaaaa aagggaatga tgggctcata taagtagact gtaggaagag aaggacaatt    420
ggaaccagac ttaaatgccg tcaggatttg ttcttcatcc tcatttctgt ctctctcttg    480
gttggtgggt ctcatcttca aactggccta ctttccaagg ttagaaccat aagttgtttt    540
ttttttttgt ttttgagaca ggatcttgct ctgtcgccca gattggagtg cagtggcatg    600
atcatggctc actgcagtct caatcttctg ggctcaagag atcttcctac ctcagtgtcc    660
tgagtagctg ggactacaca catgcaccac tatgcgcagc taattttttt ttatttttat    720
ttttttggga cagagtctca ctctgtcacc caggctagag tgcagtggca ccaacacggc    780
tcaatggcaa cctcaatctc ctaggctcga gtgaccctcc tacctcagcc tcctgagtag    840
ctgggactac aggcacacac caccacacaa ttttgttttt ttagtagaga cggggtcttg    900
ctatgttgcc caggctggtc tcaaactcct gaactcaagc gatcctccca ctgtggcctt    960
ccaaagtgct ggagatatag gtgtgagcca cggcacccag tcagaaccac agctcttgac   1020
agctctgacc ttgtgtgtgt tcagccttgt cacctatgag aataggactg tgtttgagtt   1080
gctccctcag tcccttaccc tggtgccaaa ctgcagtttg aaaaatcctg gagagggatt   1140
ccaggcctgg ggagaagtaa caaaatggga agttcccacc agaaatacat tgttagaatg   1200
ggagtgggaa ggccatcctc aaaagccagg gttaacaaga gaaggaaagg gggtaagtgc   1260
ttgggagaca aaaacaatag atgtctgatg taaatgggca gtggaatcca gtactggttt   1320
gctaataaca gcactcttaa ttccttttgt ttttaaaatg ctttcatgta catcatctca   1380
ttggatcctt ctgacagccc tgtggttatg tagttagagt cagaacaaca gggctgagtc   1440
tgttctaatg ttaggcagtg cttatgtgag ctgcaaggta gctgagcctt ctcaggacat   1500
ggcacccaag gtgcttgctg aggcgtgggt gggtagacta tctgtgcatt cttccttggc   1560
tctgtacgtg agggagattc tcgctggaca gttgtggagt gttccagtcc cactgggact   1620
gtctctgttg caggtgcatc agcgggtaag cgagtgttta cgggtgttga agatcctgca   1680
agaggtcact gctgggcaga ctgtctt                                        1707
```

```
<210> 11558
<211> 1105
<212> DNA
<213> Homo sapiens

<400> 11558
gggattatag gcatgagcca ccgtgcctgg cctattctgt agtcttttgt atattactta     60
ggattttcta caaatgctta tgtcatcaga taataaagat agttttactt ttctcttgcc    120
tgttcttatt tcttttattt gttttttctta cctcactgta ctgggaagta acaccagtat    180
aatagtgaat aaaaatggta tgagcaggtg cacatggctt tttcttgatc ttggaaggga    240
ctttttttata ctaacattaa ttttttaaaa aaaaattagt cttattttttc aacctgactt    300
aagtcatttta ataattacta ggaaccaaga ttttgttgtt atttgtcagc atagtaatcc    360
ttttaagatt atatttttaaa ttttttttaga atgaagaaaa tgtgcctttt tatatgttat    420
ttggactttt gataaggagg aatcgaagaa ttgcatttga gaatattctc agagttcaat    480
tataaatctt tttagaagaa atttaaagaa aatattaata gtaattctat cagatattca    540
tcaatacata taatttgatt tggtttaatt aggtaaggta taggatgcaa gaacaacaaa    600
atagaattga taggtgtaat tatagaaaga tactggtagc tgtgtgttgt ttttctcttt    660
agacacagac acagaattta acacctggaa agcagcatgg aactgttagc agtttatata    720
tatataatag tggtcattaa agaagaaat aaatgtttgt atgtattttg tttataattt     780
tagaagtaca gttcttttaa gcctgcacaa taagcttttt aagaaaggta tatataagtt    840
taacttggcc ggcacggtgg tggcaggcag atcacttgag gtcaggagtt cgagaccagc    900
ttaaccaaca tgctgaaacc ctgtctctac tgaaaatata aaaattagct aggtgtggtg    960
gcacgctgta attccagcta ctctggaggc tgaggcagaa ttgcttgagc ctgggaggca   1020
gaggttgcag tgagctgaga tcactccacc ctactgcagc ctgggtgaca gagcgagact   1080
ctgtctcaaa aaaaaaaaa aaaaa                                          1105
```

```
<210> 11559
<211> 1105
<212> DNA
<213> Homo sapiens
```

<400> 11559
```
gggattatag gcatgagcca ccgtgcctgg cctattctgt agtcttttgt atattactta      60
ggattttcta caaatgctta tgtcatcaga taataaagat agttttactt ttctcttgcc     120
tgttcttatt tcttttattt gttttttctta cctcactgta ctgggaagta acaccagtat    180
aatagtgaat aaaaatggta tgagcaggtg cacatggctt tttcttgatc ttggaaggga     240
ctttttttata ctaacattaa ttttttaaaa aaaaattagt cttatttttc aacctgactt    300
aagtcattta ataattacta ggaaccaaga ttttgttgtt atttgtcagc atagtaatcc     360
ttttaagatt atattttaaa ttttttttaga atgaagaaaa tgtgcctttt tatatgttat    420
ttggactttt gataaggagg aatcgaagaa ttgcatttga gaatattctc agagttcaat     480
tataaatctt tttagaagaa atttaaagaa aatattaata gtaattctat cagatattca     540
tcaatacata taatttgatt tggtttaatt aggtaaggta taggatgcaa gaacaacaaa     600
atagaattga taggtgtaat tatagaaaga tactggtagc tgtgtgttgt tttttctctt     660
agacacagac acagaattta cacctggaa agcagcatgg aactgttagc agtttatata     720
tatataatag tggtcattaa agaagaaaat aaatgtttgt atgtattttg tttataattt     780
tagaagtaca gttctttttaa gcctgcacaa taagcttttt aagaaaggta tatataagtt    840
taacttggcc ggcacggtgg tggcaggcag atcacttgag gtcaggagtt cgagaccagc     900
ttaaccaaca tgctgaaacc ctgtctctac tgaaaatata aaaattagct aggtgtggtg     960
gcacgctgta attccagcta ctctggaggc tgaggcagaa ttgcttgagc ctgggaggca    1020
gaggttgcag tgagctgaga tcactccacc ctactgcagc ctgggtgaca gagcgagact    1080
ctgtctcaaa aaaaaaaaa aaaaa                                          1105
```

<210> 11560
<211> 119
<212> DNA
<213> Homo sapiens

<400> 11560
```
ctgggctcaa gggatcctcc tacctcagct tcccaaagtg ctgggattat aggcatgagc      60
cattatgcct ggcccaaagt tctttatatt ttctagatgt taattcttca tcagatagg     119
```

<210> 11561
<211> 119
<212> DNA
<213> Homo sapiens

<400> 11561
```
ctgggctcaa gggatcctcc tacctcagct tcccaaagtg ctgggattat aggcatgagc      60
cattatgcct ggcccaaagt tctttatatt ttctagatgt taattcttca tcagatagg     119
```

<210> 11562
<211> 102
<212> DNA
<213> Homo sapiens

<400> 11562
```
gaggttgcag tgagctgaga tcacgccact gcactccagc ctgggtgaca gagcaagact      60
ccatctcaaa aaaaaaaaa aaaaaaaaa aaactaataa tc                         102
```

<210> 11563
<211> 93
<212> DNA
<213> Homo sapiens

<400> 11563
```
aggcggagtt tgcagtgacc ggagatcgcg ccactgcact ccagcctggg tgacagagca      60
agactctgtc tcaaaaaaaa aaaaaaaaa aaa                                   93
```

<210> 11564
<211> 607
<212> DNA
<213> Homo sapiens

<400> 11564
gacagattca ttttgcctga tgtcaaattc cataggaatg gaatctcata gtatctatca   60
tttgcgtttg gcttcttata ttcaacatag tgtttttgag gttttttttt taatgtgctt   120
gtaccagttt attttccttt tttattggtt agtagtattt tatttggaat gtaccacagt   180
ttatccattc acctcttgat ggacatttga gttgtttgtc atttttggca aaacaagtat   240
ttatctcaag aagaatgtga ctggagtgag acctagccat tggtgggtaa aaaactagca   300
ccaaaggcgg ggcgcggtgg ctcaagcctg taatcccagc actttgggag gcaaggcggg   360
cggatcacga gaccaggaga tcgagaccat cctggctaac acggtaaaac cccatctcta   420
ctaaaaatac aaaaaattag ccagggcgcc ttggcaggcg cctgtagtcc cagctacagg   480
ctgaggcagg agaatgacgt gaatccgtga ggcagagctt gcagtgagct gagatcgcgc   540
cactgcactc cagcctgggt gacagagcaa aactccgtct aaaaaaaaaa aaaaaaaaaa   600
aaaaact   607

<210> 11565
<211> 101
<212> DNA
<213> Homo sapiens

<400> 11565
gggagcagag cttgcagtga gcagagatca cgccactgca ctccagcctg ggtgacagag   60
caagactctg tctcaaaaaa aaaaaaaaaa aaaaaaaga a   101

<210> 11566
<211> 162
<212> DNA
<213> Homo sapiens

<400> 11566
agctacttgg gaggctgagg caggagaatg gcgtgaaccc gggaggcgga gcttgcagtg   60
agccgagatc ccgccactgc actccagcct gggcgacaga gcgagactcc gtctcaaaaa   120
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaca aa   162

<210> 11567
<211> 153
<212> DNA
<213> Homo sapiens

<400> 11567
cccagctact cgggaggctg aggcaggaga atggcgtgaa cccgggaggc ggagcttgca   60
gtgagccgag atcgcgccac tgcactccag cctgggcgac agagcgagac tccgtctcaa   120
aaaaaaaaaa aaaaaaaaga aagcagtggg gcc   153

<210> 11568
<211> 142
<212> DNA
<213> Homo sapiens

<400> 11568
cccagctact caggaggctg aggcaggaga atggcgtgaa cccgggaggc ggagcttgca   60
gtgagccgag atcccgccac tgcactccag cctgggcgac agagcgagac tccgtctcaa   120

10200

aaaaaaaaaa aaaaaaaatg ga   142

<210> 11569
<211> 110
<212> DNA
<213> Homo sapiens

<400> 11569
agatggagtc tcgctctgtc accaggctgg agtgcagtgg cccgatctcg gctcaccgca   60
atctctgcct cccgggttca agtgatcctc ctgcctcagc ctcctgagta   110

<210> 11570
<211> 368
<212> DNA
<213> Homo sapiens

<400> 11570
ggcatgggca aggacttcat gtctaaaacg ccaaaagcaa tggcaacaaa agacaaaatt   60
gacaaatggg atctaattaa actaaagagc ttctgcacag caaaagagtc taccatcaga   120
gtgaacaggc aacctataca atgggagaaa aattttgcaa tctactcatc tgacaaaggg   180
ctaatatcca gaatctacag tgaactcaaa caaatttaca agaaaaaaac aaacaacccc   240
atcaaaaagt gggcaaagta tatgaacaga cacttctcaa aagaagacat ttatgcagct   300
aaaagacaca tgaaaaaatg cccatcatca ctggccatca gagaaatgca aatcaaaacc   360
acaatgag   368

<210> 11571
<211> 4704
<212> DNA
<213> Homo sapiens

<400> 11571
tattattata ctttaagttt cagggtacat gtgcacaatg tgcaggtttg ttacacatgt   60
atacatgtgc catgttggtg tgctgcaccc atcaactcgt catttagcat tagatatatc   120
tcctaatgct atccctcccc actccccta ccccacaaca gtccccggtg tgtgatgttc   180
cccttcctgt gtccatgtgt tctcattgtt caattctcat ctatgagtga gaacatgtgc   240
tgtttggttt tttgtccttg caatagtttg ctgagaatga tggtttccag cttcatccat   300
gtccctacaa aggacatgaa ctcatccttt tttatggctg catagtattc catggtgtat   360
atgtgccaca ttttcttaat ccagtctatc attgttggac atttcggttg gttccaagtc   420
tctgctattg tgaatagtgc cgcaataaac atacatgtgc atgtgtcttt atagcagcat   480
gatttacaat cctttgggta tatacccagt aatgggatgg ctgggtcaaa tggtatttct   540
agttctagat ccctgaggaa tcgccacacc gacttccaca atggttgaac tagtttacag   600
tcccaccaac agtgtaaaag tgttcctatt tctccacatc ctctcagcac ctgttgtttc   660
ctgacttttt aatgatctcc attctaactg ttgtgagatg gtatctcatt gtggttttga   720
tttgcatttc tgatgatggc cagtgatgat gagcattttt tcatgtgttt tttggctgca   780
taaatgtctt cttctgagaa gtatctgttc atatcctttg cccacttttt gatggggttg   840
tttgtttttt tcttgtaaat ttgtttgagt tcattgtaga ttctggatat tagccctttg   900
tcagatgagt aggttgcaaa aactttctcc cattctgtag gttgcctgtt cactctgatg   960
gtggtttctt ttgctgtgca gaagctcttc agtttaatta gatcccattt gtcaattttg   1020
gcttttgttg ccattgcttt tggtgtttta gacatgaagt tcttacccat gcctatgtcc   1080
tgaatggtat tgcctaggtt ttcttctagg gtttttatgg ttttaggtct aacatgtaag   1140
tctttaatcc atcttgaatt aatttttgta taaggtgtaa ggaagggatc cagtttcagc   1200
tttctacata tggctagcag gttttcccag caccatttat taaatagggga atcctttccc   1260
cattgcttgt ttttgtcagg tttgtcaaag atcagatagt tgtagatatg tgacattatt   1320
tctgagggct ctgttctgtt ccattggtct atatctctgt tttggtacca gtaccatgct   1380
gttttggtta ccatagcctt gtagtatagt ttgaagtcag gtagtgtgat gcctccagct   1440
ttgttctttt ggcttaggat tgacttggca atgtgggctc ttttttggtt ccatatgaac   1500
tttaaagtag ttttttccaa ttctgtgaag aaagtcattg gtagcttgat gggaatggca   1560
ctgaatcttt aaatgacctt gggcagtatg gccattttca cgatattgat tcttcctacc   1620

10201

```
catgagcatg gaatgttctt ccatttgttt gtatcccctt ttatttcatt gagcagtggt    1680
ttgtagttct ccttgaagag gtccttcaca tcccttgtaa gttggattcc taggtatttt    1740
attctctttg aagcaattgt gaatgggagt tcactcatga tttggctctc tgtttgtctg    1800
ttattggtgt ataagaatgc ttgtgatttt tgcacattga ttttgtatcc tgagactttg    1860
ctgaagttgc ttatcagctt aaggagattt tgggctgaga tgatggggtt ttctagatat    1920
acaatcatgt catctgcaaa cagggacaat ttgacttctt cttttcgtaa ttgaatgccc    1980
tttatttcct tctcctgctt gattgccctg ccagaacttc cacactatg ttgaatagga    2040
gtggtgagag agggcatccc tgtcttgtgc cagtttcaa agggaatgct tccagttttt    2100
gcccattcag tatgatattg gctgtgggtt tgtcatagct agctcttatt attttgagat    2160
acatcacatc aatacctaat ttattgagag tttttagcat gaagcattgt tgaattttgt    2220
caaaggcttt ttctgcatcc attgagataa tcatgtggtt tttgtctttg gttctgttta    2280
tatgctggat tacgtttatt gattttcgta tgttgaacca gccttgcatc ccagggagga    2340
agcccactag atcatggtgg ataaacttt tgatgtgctg ctgtatttgg tttgccagta    2400
ttttattgag gatttttgca tcaatgttca tcaaggatat tggtctaaaa ttctctttt    2460
tggttgtgtc tctgccaggc tttggtatca ggatgattct ggccacataa aatgagttag    2520
ggaggattcc ctcttttct attgattgga atagtttcag aaggaatggt accagctcct    2580
ccttgtacct ctggtagaat tcggctgtga atccatctgt tcctggactt tttttggttg    2640
gtaagctatt gattatttcc tcaatttcag tgcctgttat tggtatattc agagattcaa    2700
cttcttcctg gtttagtctt gggaggatgt atgtgtcaag gaatttatcc atttcttcta    2760
gattttgtag tttatttgca tagaggtgtt tatagtattc tctgatggta gtttgtattt    2820
ctgtgggatc ggtggtgata tcccctttat cattttttat tgcgtctatt tgattcttct    2880
ctcttttctt ctttattagt cttgctgtct atcaattttg ttgatctttt caaaaaacca    2940
gctcctgaat tcattaattt tttgaagggg ttttttgtgtc tctatttcct tcagttcttc    3000
tctgatctta gttatttctt gccttctgct agcttttgaa tgtgtttgct cttgcttctc    3060
tagttctttt aattgtgatg ttagggtgtc aattttagat cttcctgct ttctctttg    3120
ggcatttagt gctataaatt tccctctaca cactgctttg aatgtgtccc agagattctg    3180
gtatgttgtc tttgttctca ttggtttcaa agaacacctt tatttctgcc ttcatttcgt    3240
tatgtaccca gcagtcattc aggagcaggt tgttcagttt ccatgtagtt gagtggtttt    3300
gagtgagttt cttaatcctg agttctagtt tgattgcact gtggtctgag agacagtttg    3360
ttataatttc tgttctttga catttgctga ggagtgcttt acttccaact atgtcaattt    3420
tggaataggt gtggtgtggt gctgaaaaga atgtatattc tgttgatttg gggtggagag    3480
ttctgtagat gtctattagt tccgcttggt ttagagctga gttcaattcc tgggtatcct    3540
tgttaacttt ctgtcttgtt gatctgtcta atgttgacag tggggtgtta aagtctctga    3600
ttattattgt gtaggagtct aagtctcttt gtagttcact aaggacttgc tttatgaatc    3660
tgggtgctcc tgtattgggt gcatatatat ttaggacagt ttgctttttct tgttgaattg    3720
atcccttac cattatgtaa tggccttctt tgtctctttt gatctttgtt ggtttaaagt    3780
ctgttttatc agagactagg attgcaatcc ctgcctttt ctgtttccca tttgcttggt    3840
agatcttcct ccatccttt attttgagcc tatgtgtgtg tctgcacgtg agatgggttt    3900
cctgaataca gcacactgat gggtcttgac tctttatcca atttgccagt ctgtgtcttt    3960
taattggagc atttagccta tttacattca aagttagtat tgttatatgt gaatttgatc    4020
ctgtcattat tatgtcagtt ggttattttg ctcattagtt gatgcagttt cttcctagcc    4080
tcgatggtct ttacaatttg gcatgttttt gcagtggctg gtactggttg ttcctttcca    4140
tgtttagtgc ttcttccttc aggagctctt ttaggacagg cctggtggtg acaaaatctc    4200
tcagcatttg cttgtctgta aagtatttta tttctccttc acttatgaag cttagtttgg    4260
ctggatatga aattctgggt tgaaaattct tttctttaag aatgttgaat attgccccc    4320
actctcttct ggcttgtaga gtttctgcca agagatcagc tgttagtctg atgtgcttcc    4380
ctttgtgggt aacccgacct ttctctctgg ctgcccttaa cattttttcc ttcatttcaa    4440
ctttggtgaa tctggcaatt atgtgtcttg gagttgctct tctcgaggat tatctctgtg    4500
gtgttctctg tatttcctga atttgaatgt tggcctgcct tgctagattg gggaagttct    4560
cctggataat atcctgcaga gtgtttccca acttggttcc attctccccg tcactttcag    4620
gtacaccaaa cagacgtagg tttggtcttt tcacatagtc ccatatttct tggaggcttt    4680
                                                                      4704
gtttcttttt attctttttt ctct
```

<210> 11572
<211> 2295
<212> DNA
<213> Homo sapiens

<400> 11572
gcgcaaattc gtggatcgct ccgctgaatc cgcccgcgcg tcgccgccgt cgtcgccgcc   60

10202

```
cagtctctgc gggaggaggc tccacctagc agctgttctt ttgagggcat ttttgacctc    960
tgtgactttc ttgcatcttg tatcttttgc agttggtcag ttctacttct tgatccggaa   1020
gcgaattcat ctccgagctg aggatgcctt gttttttcttt gtcaacaatg tcattccacc   1080
caccagtgcc acaatgggtc agctgtacca ggtatggtga ctgggaagtg gtggaggctt   1140
tggagaggaa tcttggaaga gcgtgagggg aagaaagtgt tgttacatca gtagttttgg   1200
actagcttcc tggcttgcct taaagtttca taatagccgt gggttggggg tttggacaga   1260
acagtaggag tagagagaag gaaagagaac agtgagctag agaaactatc tgttcgggac   1320
tcttcccagt ccccctcccc attccaaagc agcagaaaac agtttgaggc cttttttgccc   1380
aggactgcag agattatact gctcgtgtgg taggccttgg agtcagtgaa ggagtcaggc   1440
aatggtttgt ggttctagaa gaacgtgtct gggtcgtggt tggtttaagt tactggagcc   1500
cagttgctga acagttttct gctttcatcc caggaacacc atgaagaaga cttctttctc   1560
tacattgcct acagtgacga aagtgtctac ggtctgtgaa gctgctgccc ctgagctgga   1620
ggggggtctc attctacaaa gagagaggtg gcccccccttt cttgacctcc tcctccttca   1680
agctcaaaca ccacctccct tattcaggac cggcacttct taatgtttgt ggctttctct   1740
ccagcctctc ttaggagggg taatggtgga gttggcaact tgtaactctc ctttctcctt   1800
tcttcccctt tctctgcccg cctttcccat cctgctgtag acttcttgat tgtcagtctg   1860
tgtcacatcc agtgattgtt ttggtttctg ttcccttttct gactgcccaa ggggctcaga   1920
accccagcaa tcccttcctt tcactacctt ctttttttggg ggtagttgga agggactgaa   1980
attgtggggg gaaggtagga ggcacatcaa taaagaggaa accaccaagc tgaactgaat   2040
tttgccttgt gttgctcccc tcgtcccgct gattttaagt cttttccaagg tgtcagtggg   2100
tttcagtggt ggggaaagaa gagtactggg tacaagctgg agggatagaa gtatattttg   2160
gtttattctg ttcatgttgg gctttttccct gtctgcaaaa agagggtgct tttgttgtga   2220
tggaatggaa tactgaggat tatttcttga aactttagtt ttataacacg catgtgaaac   2280
taaatgttaa aaatgctca                                                 2299


<210> 11574
<211> 4682
<212> DNA
<213> Homo sapiens

<400> 11574
gccgctcccc ggggggagggg agcggcttgg tgcgcctgcg ccagcctgtg gctttctggg     60
aatcaaagtt ccggaggttc atgcggtccc ttttccgctg ttcccggacg gactacaaaa    120
cccttggtgc actgcgcctc ggcgccggcg gggggaggag ggagagaaga ggagggaggg    180
aggagagagg aggaggagga ggaggaggag ggagcaggcg gccggcggcg cggggggagg    240
gggcccggtc cgggagtgcg ggaggcagtg gtagaggag gtggcggcag cggctagcgg     300
actcgagtct caaccgggct gaggcggaca cttctgtgga gcgaagcagt gggagcatcg    360
agcactagag gcggcaccgg gatccccggc tccggggagg ggggcgccgg accgggagga    420
ggggaggggg cgatgctgga agccatggcg gagcccagtc ccgaaggtga gctctcgacc    480
ggtgcagagc gctgagccgg cggggggcgg gcgaggaatc aattggcaaa cttggaggtc    540
gagccccgga gcccagcggg ggagttcggg gaggggtcg ggaggctggc cctggaggtg     600
ggagagcgac gagttgagag accttggaga aagaggagtg ggaaactggg ctggggtagt    660
tggagatcag acggtgtggg ggtgcggggg ataggagctt gaaacccgga gcctcggggg    720
ttagggcccg aaagggccac cggcagattg gggccctgga actggaaggt taggggaatc    780
cagtggccgg agagttgctc aggagggagg acgtagaaga ggctgagtga ggggcccggt    840
agttcgccga ggtgggggtag tttgtggcgg tggtaccgga gctccgagta gttgccgccg    900
gagaatgccc ggtgattgtc ggagaggtgg gcaggtagtt gtggggagaa gaggggggtct   960
gggtattgtc tacggcagac ggacctgtac cggggggtag ttgtggagag agcgagccag   1020
gaagcgaggc gagctggta gttgtagggg gtggtggggc ggggtggggg gggttaagac     1080
cggcgacttg tcgggcgggg gggtagggtt ggtccgcgag ggttaagagc ctgggagttg   1140
ctgagggtga ggggggcatc ggcggcagca gcggtggctg ctgtggagag agagagagag   1200
tggctggttg gggggaaggg gccagagttg aggggtccat agcctagtaa ctgggtggtg   1260
agtacggggg cggaggggg ggcggcggcc ggagagggct aggaacaggg ccggggggcc    1320
cggtggggag cccgaaaagc tggagacggg gaggggccaa agccccggat gggggcggag   1380
ggacggcgaa attgtgggga gcgcggtatg ggcgggtggg ggggcaggtg ggggccgcgt   1440
ccgggttaga gctcccgggt ctgtcccggc cgtgaagtag cgttggatgc gtgtgcctgt   1500
gtgtgtctgg ggtgggggtg aggggcgcgc cgggccgcgt gctcgagtag aaggggccgg   1560
agggcgggga gcggttcggc gtggtcatcc tggaccctgg gggctggcgg gcggcgtgtg   1620
cggtctcgga gggcccgagg cggtggagcg cggccgggta ggaactcggg gctccgggcg   1680
cgtgtgaagg acggggggcgg ctggcggcgg cccggacgcg gccccgggag cggtacggtg   1740
```

                                     10204

```
gggtggggcg ctgagggatc cgagtagact ggagtcgaga gagaccgtga gttggggggg    1800
cggggcgccg ggcctccggt tgggggaagg ggagcgctat agcgaggcct cagagggcgc    1860
cgcgcccagg ctccgcccct cgcggggcgg aaggggagc cggggcggat ccaacacagc     1920
tgggggcctg ctggcctggc agagggacct gggagagcag ggggttcact taggaacaac    1980
ggggtttaga ggggagttt tacacagatt gttcçtagtg tcttgactca gctttattg     2040
cttttccaga tccacctccg acccttaagc cagagactca ggtgaggttt gccttacctt    2100
tgcagcctag tagccctgcc tgacaacgcc ccccgccccc cttttctaga cctcacttag    2160
ggactgtgtt tctgggaatg ccattcttaa actgtgtggc tttgcatgtg atccatatct    2220
ccttcctttc agccaccaga gaaacggcgg agaacaattg aggatttcaa caaattctgc    2280
agttttgttt tggcatatgc tggttacatt cccctagca aagaggtagg ggcaagagaa     2340
ttactgactt gaggctggtg tggtgggact atagagtgac tgttgttcaa acagaactgt    2400
attgctttat agaaggaggc ccctagaaat tatatgtaag accagggaag ttggagactc    2460
ttagggctgt ggtaggaaag ctggtatgcg gggagtggat ggccgggata gctagcttga    2520
acagcagtga aaaggaaggg ggatttggag tcgctggttg agattttggc atagtcttga    2580
ggtgctgtga atggaaggtg tttatggata aattttaggg agatgaaaat ggtaacaaat    2640
gaggctatac agaaaaagag ctaaggacat aacggctccg gtctgggtga tacagtgttc    2700
cacaggccct gggcaggggc agcggtgagg tgtcagactt gagggtagag gtaacacgga    2760
ctggtcaaga ggacatgctg atgggaattg gggtggggag aagtttttgg agtacagtgg    2820
gatttagtgg ttgaggtagg acattttggg gtaaatccag tcactccttt tcaagctggg    2880
tttgtggagg ggctgagatg acactggggt tctgctgacc ctggtctctt cccccttta     2940
aggaaagtga ctggccagcc tctggctcca gctctccatt gcgaggagag agtgcggccg    3000
acagtgatgg ctgggactcg gccccctcag atcttcgaac catccagact tttgttaaga    3060
aagcaaagtc atccaagaga agggcagctc aagcaggtcc cacccagcca ggacccccaa    3120
ggtccacttt ctctcgtctg caggcccccg acagtgctac cttgcttgag aagatgaagc    3180
tcaaggactc tctctttgat ctggatgggc ccaaagtggc atctcctttg tcccccacat    3240
ccctgacaca tacctcccgg cccccctgctg ctcttacccc cgtgcccctt tcccagggg    3300
acctctccca tcctcctcga aagaaggacc gaaagaaccg aaagttgggg ccaggagctg    3360
gggctggctt tggggtgctt cggaggcctc ggccaactcc tggggatggg gaaaagagat    3420
ctcgaatcaa gaagagcaag aagcggaagt taaaaaaggc agaacggggg gatagactcc    3480
cacctcctgg gcctccccag gcaccccca gtgatacaga ctctgaagag gaggaggaag    3540
aggaggaaga ggaagaagaa gaagagatgg caacagtggt aggggtgaa gccccagtcc    3600
ctgtgctgcc aacacccct gaggctccta ggccccctgc cacagtgcac cctgaaggag    3660
tccctcctgc tgacagtgaa agcaaggagg tgggcagcac tgaaacaagc caagatggag    3720
atgccagctc cagtgaaggc gagatgcggg tcatggacga ggacatcatg gtagaatcag    3780
gtgagaggtt tgggctgggg cgaggggttt gagggtgttg tggatccaac agctcaggca    3840
gaataccaaa caaaccttt tttccccagg tgatgactca tgggatctga tcacatgtta    3900
ctgtcgaaag ccctttgcag ggcggcccat gattgagtgc agcctgtgtg ggacgtggat    3960
ccacctctcc tgtgctaaga ttaagaagac caacgtcccc gacttctttt attgccagaa    4020
atgcaaggaa ctgaggccag aggcccggcg gttaggggggg cctcccaaat ctggagagcc    4080
ctgatggcac caactttagc ctggaacttc caaatgacaa catgatttgg gaactgagcc    4140
tcaggtcct cagcctatcc cctggagctt ggatactgtc tgcacttcaa ggcaggaatt    4200
ctcaagggag acttgtttga aaatgagtgt ctcactttcc caccctatcc ttcctcccca    4260
ctctgtggac ttgaaattga atccattacg gttgggggatg ggaggctgtc tgtgtcccga    4320
cacataatct ctgtctcttg gacctgccac catcactttc tgggtcagga ttggaattgg    4380
gatggaatgg gacagttgtc tataaaactc tagtgtaaat attagcactc ccctccctca    4440
tcttttcttc tatttcactc cccatttatt ttcttctaca ccggttgtat ttttaatttt    4500
ggacttcccc tattgggcat ggcagctcaa aggtggagta ctagagcctg gccaagtgag    4560
gaaggaaagc agaaaggtga cgattctcac tcacctcttt tgtttttaat aatatcggcc    4620
gctgtttgta cagacagcct gcgtgttgta aataaagcag agtgggctct tttgtgttta    4680
ta                                                                   4682
```

```
<400> 11575
ccccactgcc ccctccccca attatccttc cccttccctc caggtctcgg aggaccccat      60
cctagcccta cctgtctcgg cccgcaacct ccccgaagcc gtcggtgcca ctcccagccc     120
atgtgggccc ccgcgggctg cccacgcctg tcccccagct ccccgttccg ctgggctta     180
```

10205

```
ccctcgccag gggtggcttt ctgagccgcc cgctccgtgc ccctctctgc agcctctcct    240
gccactcggg gcccccgttc ccctcccgg cggcggggg ctgcccccgg ggggctggcg       300
gagctgggcc gcggggccc cggggccggc ggtgccgggg tcatcgggat gatgcggacg      360
cagtgtctgc tggggctgcg cacgttcgtg gccttcgccg ccaagctctg gagcttcttc     420
atttaccttc tgcggaggca gatccgcacg gtgagccagg gtgggcgctg gcggtgttgg     480
ggacgtctgg cggtgttggg gacatctgtc cgtggtgctc aggggttttc ggagtgtcgg     540
gcctctgttt gggcctagga agggaatcct ggctgggct tttctcgcca gagaattggg      600
caccctaagc ggggcgaggt gggagaccct tgtaatagaa ccttgccctt gggggttttg     660
atggggctag atgggacagg atttggcaac tcttgggggc taaggtggtg ggtggggcgc     720
tcttttaagaa agctggagtt gttgctaaag aaaccaagag gcggggaaca cctgtttgat    780
gacagccgga tctgtggatg tgggcttggg aaagaccta tttggaacct cggtgtgtgt      840
ttggtcctat aacaaggaag agacagactt gtgtgtcaag ggtggaggtg ggtgggaggg     900
catacgttac aaacaaggac gggaacttgg gaaagccctg ggtgtgaagg agaaacgcct     960
gcggttccca ttaagagaat tcctccaaaa aggctgtgaa aatttatttc atagtgtgag    1020
tgtaggtatc tggatttatt gaagactaaa gcagatgctt ttacgatggg cctctttaat   1080
tgtgggaggg agttcaaggt gggtgctgtg cccaccattg aagtttgggt gtccctgtca   1140
gaggacagcg ctgggcagtt gtagggcttg aaaatgagga cgtttgcttc tccaggagag   1200
cctagcattc tgagggaaac tgtccggatg gacccaagca tctctgggtc ccctctccct   1260
tagcttttct ccaaggtcag aggtccttca gctaacagca cttaaatga atgtgctctt   1320
gtggtctcac caccaccagg gagaatcctc ggaaggagtc tggggagaat ttagtaagcg   1380
gagacacagg ttctgggtct gtactgtggt ctgtacccct tagcatacct caatacaatt   1440
tgaaagaata aacccaggtt ggggtgacct ggggtccaga gaatttccag aaagccctca   1500
gtggtagtgg tggttgattt aactgatttg ggagaatggg tctggccttg ggttcattct   1560
gtcctttacc agtctgcttc cacttcctga tttagggcgc gaacagtaca ggatggttgt   1620
ggctgtaggc agcagcgcta ttcccccgag acaagagcta ggagccaaga aaaatttagg   1680
gtcagagatg ctgggatatg tgtggggcta tctcctgggg ttttcttttc ttttctgaga   1740
cagtctcgct ttgtcgccca ggctggagtg cagtggtgcc atctccgctc actgcaacct   1800
ccacttcctg ggttcaagcg attctcctgc ttcagcctct cgaatagctg ggattacagg   1860
cacctgccac cacacctggc taatttttgt aatttagta gaaacgggtt ttcaccatgt    1920
tggccaggat ggtctcaaac tcctgacctc aagtgatctg cccgccttgg cctcacaaaa   1980
gtactgggat tgagccactg cacccggcct ccagcggttt tctttatggg ttgactgcca   2040
tcttctctga cgttctcgct ccaacacatc agttttctgg gcatacggag tggtgcttca   2100
gctcatccac aggttacttc caaaattgct ctcctttggg cagcactgac cccatagcct   2160
tttgtcctcc cttcccttcc aatctggttt ctttccccac cccgcttctg gcagatgctt   2220
ggagcattcc ctacatgccc agcatatgca acccgagata gcaaggctgg acactggagc   2280
tcttcggac ctcatcatgg cccagggaga aaagaagggc agatcttgat taggggggaga   2340
gagccctgtg ggtttagaag ggagaacctg gttctggtgt ggcttggggc ctaggtatgc   2400
actgaagagg gtttgtacct ttgaagaaaa gtgtggaaga gggaattgcc aggctttgta   2460
tggggagatg tgcgtattag gaaatagccc ctagagaatg cttggagaag cagagctgga   2520
tgaggtggtg acgtccttgt cccttattca cctctcactt aacggccctg acttcactct   2580
ggcctcctcc agaccctgcc agtcagcctg gcaggggctt tccagtgttc tttgcctcac   2640
cctgggtacc aggataagga gactgttcag agggctgagg ttctctgaac ttgtgacttg   2700
gctagaaggg acagaagtgg acaggtggct ggttaaaata ggcctggtgg cttctagcca   2760
gaggaactta gctgacctga caacctctgg attccctcat tctatattcc cattaaggac   2820
ccagggatct cctcccgact cctactccat gtgcactagg gaatctgagg cacttagttc   2880
ccaatgatgg tagttgctac aaataattct tggggtgaag gttgcgttgt ggggtcgtt    2940
tctttgttca gtgtagcagg ataatatcac agttaagagg gcagcttcgg ccggggggtgg   3000
tggctcttgc ctgtaatccc agcactttgg gaagctgagg caggtggatc atgaggtcag   3060
gagctcaaga ccagcctggc caatatggtg aaaccccgtc tctactaaaa atacaaaaat   3120
tagctgggcg tggttcgcgc gcctatagtc ccagctgctt aggaggctga ggcaggagaa   3180
ttgcttgaac ctgggaggtg gaggttgcag tgagctgaga tcgcgccact gcactccagc   3240
ctgggcaatg gagtgagact cccttctcaa aaaaaaaaa aagaaaaaa aagagggcac     3300
gttcttgggt tgaactgcat tggtacaatc ctggctctat cacttcattg attctacttt   3360
ttttttttt ttttttttt ttttgcgac ggagtcttgc tctgtcacca ggctggagta     3420
cagtggtgcg atctcggctc actgcaacct ctgcctcctg ggttcaagcc actctgctgc   3480
ctcagcctcc cgagtagctg gggctatggg cacgcaccac cacgcccagc taatttttat   3540
atttttagta gagacggggt ttcaccatgt tggccaggat ggtctccgtc tcttgacctt   3600
gtgatccgcc tgccttggcc tcccaaagtg ctgggattac aggcatgagc cactgcgcct   3660
ggctgattct actaatatca actgaccact tttgctactg tgttctaggc actgggaata   3720
cagccatgat ctagacaaaa tcatattctc atggagtttt cattttaatt agggagagaa   3780
acaacttaag ataattccta gctgtgtggc ctcagtttct ttaaccttaa aacaggtata   3840
```

10206

```
acagtaatat tatggttgtt ttgaggatta aatgaaaaag gccagcgtag tggctcattc   3900
ctgtaatccc agcactttgg gaggcaaagg caggaggatc acaaggtcag gagtttgaga   3960
ccagccaggc caatatagtt aaaccccgcc tctactagaa atacaaaaat gagccgagcg   4020
tggtggtgca cgcctgtagt cccagctatt agggaggctg aggcaggaga attgcttgaa   4080
cctgggaggc ggaggttgca gtgagccgag atcatgccgc tgcactccag cctgggcaac   4140
agagcgagac tccatctcaa aaaaaaaaa aaaagaagaa gaaataagcc taaattacat   4200
acatagtacc tgtggtaaat gttcattatg tgctccctgt tactgttact ggggaaggct   4260
tccttatcaa gggtttcaat cctctttttgt gctatttgta ggtaattcag taccaaactg   4320
ttcgatatga tatcctcccc ttatctcctg tgtcccggaa tcggctaggt aagtatgtgg   4380
tgggaagcct cctttagggt gaagtagggg ctagctctgg gtcagaggtc ggtcaatatt   4440
attcctcccc actctggttc agcccaggtg aagaggaaga tcctggtgct ggatctggat   4500
gagacactta ttcactccca ccatgatggg gtcctgaggc ccacagtccg gcctggtacg   4560
cctcctgact tcatcctcaa ggtgtgtggt ggtgggagt gatgaaatgg ttccatctgt   4620
tcctctgccc aaacctggac tcccttccc agtcccagag catctgtctc catccgctgg   4680
caccagtgtc agcctggagg agggaagcag atgggtgggg cgttttctag gcctgggttg   4740
tggtggtcat gacatccccc agcccatctt gttcctctgt aggtggtaat agacaaacat   4800
cctgtccggt ttttgtaca taagaggccc catgtggatt tcttcctgga agtggtgagt   4860
tttggagagc taaagggagc tctgtaatga aggaatggtt ttagggctct gggaattggg   4920
aggatttgga ggaaggggtg aggagaaacg ggttagagca gttttctaga ggggaggctg   4980
tgtaatggta ggggagtggc tttcagtact tggggttcat ttgttgtgct gatgtaattc   5040
ttttccgctg gcatctttct cttttgttct tgcatttctg aatcataaga gtgtaggatg   5100
cctaacactg agtttggagg tttgggctgg gggttcagaa tttcgtgtcc tcagagacat   5160
ttgatgttga tggaaggcct gaaggactat gccattgcct ttctgaaaga taactgtatg   5220
tctaaaggaa tcatcacctt gtatggcatc gccctctccc ccaatctatt tcaggtgagc   5280
cagtggtacg agctggtggt gtttacagca agcatggaga tctatggctc tgctgtggca   5340
gataaactgg acaatagcag aagcattctt aagaggagat attacagaca ggtaagctag   5400
aatcccagtc taagagtgtg gcttgggagg gaggccacca gggagggatc tgggtttgag   5460
gagagtatcc tggagagagg cctgctacat gatcccctgc cttccagcac tgcactttgg   5520
agttgggcag ctacatcaag gacctctctg tggtccacag tgacctctcc agcattgtga   5580
tcctggataa ctccccaggg gcttacagga gccatccagg tacggggggaa ggtggtgagt   5640
ctggcaggac cagaacatgg ttctgagaag gtattttgc aggagacctg ggctttggtc   5700
cttgagagct gggattccct agattatccc tagtttgctg taagtcgaaa tgcaagttat   5760
ttttgtgttt caaatgagat accatatatg tccatttcat aagtcggatt tcttatatca   5820
ttttttttcat ttttaaaatt tatttttggc tgggcacggt ggattatgct tgtaatccca   5880
gcactttggg aggccgaggc aggcggatca cgaggtcaga agttcgagac cagcctaaca   5940
aacatggtga aaccccatct ctactaaaaa tagaaaaaac tagccaggcg tggtggcgca   6000
cgcctgtaat cccagcaact cgggaggctg aggcaggaga atcgcttgaa cccgggaggc   6060
ggaggttgca gtgagccgag attgcaccat tgcactccag cctgggtgac agagcgagac   6120
gccgtctcaa aaaaaataaa taataaataa ataaaaataa aatttatttt tatttatttt   6180
ttgagatagg gtctcactct gttcccaggc tggagtgcag tgtcatgatc atagctcact   6240
gcagcctcga tctcccaggc tcaagtgatc cttctgcctc agcctctcag tagttgggac   6300
tacaggcgtg caccaccatg cccagctaat tttttatttt tttattttt tttgagacag   6360
agtctcgcac tgtcacccag gctggaatgc agtggcgtga tctcggctta ctgcaacctc   6420
cgacttccag gttcaagcaa ttctcctgcc tcagcctccc aagtagctgg gatcacaggc   6480
acctgccacc acgcgcagct aattttttgt attttttagta gcgacggagt ttcaccacgt   6540
tggccaggct ggtcttgaat tcctgacctc gtgattcgtc cgctttggcc tcccaaagtg   6600
ctgggattac aggcgtaagc cactgccctt ggccaatttt ttgattttta gtagagaagg   6660
gatctcatta tgttgcccag gctggactca aactcctgag ctcaagtgat cctcccacct   6720
cggcctctca aagtgttggg ataacaggtg tgagccactg cgcctggcca agtgtgtttc   6780
aagtgaggca caatggcagt aagcttgact agaagcatca ataggtatga gatctggtga   6840
ttaaaactta gtttcggagc ataaaccagg aaagtttac ttaggttgtt gacttccggt   6900
agtgggaggc atatattttt aacaataatt cctccttccc tccaagaaga gaaaaacacc   6960
gtctctcttg aattctgttt cttctcatct gcattttcac ccaccctaga caatgccatc   7020
cccatcaaat cctggttcag tgaccccagc gacacagccc ttctcaacct gctcccaatg   7080
ctggatgccc tcaggtaagg gaagtgggct ctggacactt ggatatctca agaaaggagg   7140
aggtggggga tcctcagagg gaataaaaaa ggtttgtcct gtttttaactc tgttcccttc  7200
agaatttaac atttggaccc aggtcgtctt acttcaaagc tcatcacttt agctagtagg   7260
ctgtgggcaa attgaaccta tctaatcatg aatatggtga taatttaggt cccacatctc   7320
cagtgatgct gccttacaag agtgttgtga gggtatgaac tataaggtac tctaccaatg   7380
caagttattg tcaccccagg ttcaccgctg atgttcgttc cgtgctgagc cgaaaccttc   7440
accaacatcg gctctggtga cagctgctcc ccctccacct gagttggggt ggggggggaaa   7500
```

10207

```
gggagggcga gcccttggga tgccgtctga tgccctgtcc aatgtgagga ctgcctgggc      7560
agggtctgcc cctcccaccc ctctctgccc tgggagccct acactccact tgggagtctg      7620
gatggacaca tgggccaggg gctctgaagc agcctcactc ttaacttcgt gttcacactc      7680
catggaaacc ccagactggg acacaggcgg aagcctagga gagccgaatc agtgtttgtg      7740
aagaggcagg actggccaga gtgacagaca tacggtgatc caggaggctc aaagagaagc      7800
caagtcagct ttgttgtgat ttgatttttt ttaaaaaact cttgtacaaa actgatctaa      7860
ttcttcactc ctgctccaag ggctgggctg tgggtgggat actgggattt tgggccactg      7920
gattttccct aaatttgtcc cccctttact ctccctctat ttttctctcc ttagactccc      7980
tcagacctgt aaccagcttt gtgtcttttt tccttttctc tcttttaaac catgcattat      8040
aactttgaaa ccaaag                                                      8056


<210> 11576
<211> 554
<212> DNA
<213> Homo sapiens

<400> 11576
ggagagttag cccttgggat gccgtctgat gccctgtcca atgtgaggac tgcctgggca        60
gggtctgccc ctcccacccc tctctgccct gggagcccta cactccactt ggagtctgga       120
tggacacatg ggccaggggc tctgaagcag cctcactctt aacttcgtgt tcacactcca       180
tggaaacccc agactgggac acaggcggaa gcctaggaga gccgaatcag tgtttgtgaa       240
gaggcaggac tggccagagt gacagacata cggtgatcca ggaggctcaa agagaagcca       300
agtcagcttt gttgtgattt gatttttttt aaaaaactct tgtacaaaac tgatctaatt       360
cttcactcct gctccaaggg ctgggctgtg gtgggatac tgggattttg ggccactgga        420
ttttccctaa atttgtcccc cctttactct ccctctattt ttctctcctt agactccctc       480
agacctgtaa ccagctttgt gtctttttc cttttctctc ttttaaacca tgcattataa       540
ctttgaaacc aaag                                                        554


<210> 11577
<211> 2454
<212> DNA
<213> Homo sapiens

<400> 11577
gattgcaacc cccacttttt tttttttgc tttccatttg cttggtaaat attcacccat         60
ccctttattt tcagcctata tgtgtcttta cacatgagat ggatctcctg aattcatcac       120
atgaatgggt cttaactcta tccaatttgc cagtctgtgc cttttaattg gagcatttaa       180
cccatttaaa tttaggatta atattgttat gtgtgaattt tatcctgtca ttatgatgct       240
agcttgttat tttgctcatt agttgatgca gattcttcat agtgttgatg gtctttaact       300
tttggtttgt ttttgcagtg gctggtacca gttttttcctt ttgatattta gtgcttcctt      360
caggagctct tgtaaggcaa gcctggtggt gataaaatct ctcagcatct gcttgtctgt       420
aaaggatttt atttctactt tgcttatgat gcttagtttg gctggatatg aaattctggg       480
ttgaaaattc ttttctttaa gaatgttaag tattggctgc tactctcttc tggcttgtag       540
ggtttctaca gagagatctg ctgttagtct gatgggcttc cctttgtggg taacctgacc       600
tttctcttgg gctgctctta acatttttc tttcatttca accttggtga atctgatgat       660
tatctgtctt ggggttgttc ttcttgagga gtatcttagt ggtcttctct gtatttcctg       720
aatttgaatg ttggcctgtc ttgctaggtt agggaagttc tcctggataa tatcttgaag       780
tgtgttttcc aacttggttc cattctcccc atcgctttcg ggtacagcaa tcaaatgtag       840
gtttggtctt ttcacatagt cctgtatttc ttggaggctt tgttgttct ttttcattct       900
ttttctctg atcttttctt catgctttat ttcattaagt tgatcgtcag tctctgatat       960
cctttcttcc acttgatcta ttcggctatt gatacttgtg tatgcttcac gaagttctcc      1020
tgctgttttt cagctcaatc aggtcattta tgttctttaa actggttatt ctagttagca      1080
attcctctaa ccttttttc aaagctctta gcttccttgc attgggttag aacatgctcc      1140
tgtagcttgg aggagtttgt tattacccgc cttctgaagt ctccttctgt caatttgtca      1200
aactgattcc ccatccactt ttgttccctt gctggtgagg cgttgtgatc ctttggagga      1260
gaagaggtat tctggttttt ggcattttca gccttttgt gctggttttt cctcatcttc      1320
gtggatttat ctaccttttg gtctttgctg ttggtgacct ttggatggag tttttgcatg      1380
atgttggtgt tgatgctatt gctttcagtt tattagtttt tcttctaaca gtcaggcccc      1440
tctgctgcag gtctgctgga gtttgctgcg ggtccactcc agaccctgtg tccttgagta      1500
```

10208

```
tcaccagtgg  aggctgcaga  acagcaaaga  ctgactagaa  aaaaatcacc  gtgagactag     1560
tgttaagcat  gagaactagt  attaaatgaa  agttataaag  aatagtgtgt  aatgactata     1620
tgttttggca  aagaaatata  attcagctgt  aaaaaacagt  gggaagagca  tatgcaaaaa     1680
attttaaaaa  ctatttttctg ccatcatact  tttgactgta  gtgtttgttt  tgttgctcag     1740
gtattttctg  tgtattgtgc  agcagagcaa  atgaataatt. atacattatt  ctaattttgt     1800
tatctcctgt  gtccttgaga  gctaggaatc  ttaatgtgga  agaaattata  tactgtttat     1860
atttatatag  atgtaagaag  gctaaatcct  ctacttctga  tttttaatta  gaagtatcag     1920
tatgaacttg  agattctta   atgtcattta  aaaatagtat  ataccttata  tttgtgtgta     1980
tatatatatt  tgtgcatatg  tatatgtatg  ttaatctgag  aatgttttat  gtgtattgtg     2040
gcataaatca  aatgaatatt  tatgtgatat  tttaatgctg  gcatttcctt  gctatgtcta     2100
tggaaaagtc  ccagaaatga  acaaacctag  ttctgtgaat  gtggtcttga  aatgctgttt     2160
tctgcctggg  tgcagtggtc  cattcctata  atcccagcac  tttgggaggc  caaggcaggt     2220
ggatcacatg  aggtcaggag  ttcgagatca  gcctggccaa  catggtgaaa  ccccatctct     2280
actaaaaata  ctaaaattag  tcaggcatgg  tggcagacac  atgtaatccc  agctactcag     2340
gtggctgagg  caggagaatc  gcttgaaccc  tggaggggga  ggttgcagta  agccaaggtt     2400
gtgccattgt  actctagcct  gggcgacaaa  agcgaaaccg  tctcaaaaaa  agaa           2454


<210> 11578
<211> 109
<212> DNA
<213> Homo sapiens


<400> 11578
gttttttttt  tttttttttt  ttttttgaga  tggagtttcg  ctcttgttgc  ccaggctgga     60
gtgcaatatc  acaatctcgg  ctcatcgcaa  cctccgcctc  ccgggttca                  109


<210> 11579
<211> 311
<212> DNA
<213> Homo sapiens


<400> 11579
tgagaagaat  gtatattctg  ttgatttggg  gtggagagtt  ctgtagatgt  ctattaggtc     60
tgcttggtcc  agagctgagt  tcaagtcctg  aatatccttg  ttaattttct  gtttcgttga     120
tctgactaat  attgacattg  gggtgttaat  gtctcccact  gttactgtct  gggagtctaa     180
atctctttgt  agatctctaa  gaacttggtt  atgaatctgg  gtggtcctgt  attgcgtgca     240
tatatattta  ggatagttag  ctcttcttgt  tgcattgatc  cctttaccat  tatgtaatgg     300
gcttctttgt  c                                                             311


<210> 11580
<211> 311
<212> DNA
<213> Homo sapiens


<400> 11580
ggtggagagg  acgggcaggt  gttcacgtgc  ccagttaaga  gtgagatggg  tttttatctt     60
cgagtgctac  gcctcgttta  tgtatttcag  gagttgctgg  ggcactgtgg  gtcagcggct     120
ccgggcacct  cctgtgcttg  aggcagacac  cgtctccccg  acctcgcttc  accccgtggg     180
tgaaaatgct  ctgggagctg  agaaaaacta  gtttgtgatc  ttacagactt  tcagggctgc     240
acagttttgt  aaataggtaa  aacactttcc  agtgttacga  ttttagtaaa  ttcgtgcttt     300
taaatgatgg  a                                                             311


<210> 11581
<211> 311
<212> DNA
<213> Homo sapiens
```

<400> 11581

```
ggtggagagg acgggcaggt gttcacgtgc ccagttaaga gtgagatggg tttttatctt     60
cgagtgctac gcctcgttta tgtatttcag gagttgctgg ggcactgtgg gtcagcggct    120
ccgggcacct cctgtgcttg aggcagacac cgtctccccg acctcgcttc accccgtggg    180
tgaaaatgct ctgggagctg agaaaaacta gtttgtgatc ttacagactt tcagggctgc    240
acagttttgt aaataggtaa aacactttcc agtgttacga ttttagtaaa ttcgtgcttt    300
taaatgatgg a                                                         311
```


<210> 11582
<211> 776
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (709)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (738)
<223> n equals a,t,g, or c

<400> 11582

```
tacaacgtcg tgactgggaa aaccctggcg ttacccaact taatcgcctt gcagcacatc     60
cccctttcgc cagctggcgt aatagcgaag aggcccgcac cgatcgccct tcccaacagt    120
tgcgcagcct gaatggcgaa tggcgcctga tgcggtattt tctccttacg catctgtgcg    180
gtatttcaca ccgcatatgg tgcactctca gtacaatctg ctctgatgcc gcatagttaa    240
gccagccccg acacccgcca cacccgctg acgcgccctg acgggcttga ctgctcccgg    300
catccgctta cagacaagct gtgaccgtct ccgggagctg catgtgtcag aggttttcac    360
cgtcatcacc gaaacgcgcg agacgaaagg cctcgtgat acgcctattt ttataggtta    420
atgtcatgat aataatggtt cttagacgt caggtggcac ttttcgggga aatgtgcgcg    480
gaacccctat ttgtttattt ttctaaatac attcaaatat gtatccgctc atgagacaat    540
aaccctgata aatgcttcaa taatattgcc aaaggaagag tatgagtatt caacatttcc    600
gtgtcgccct tattcccttt attgcggcat tgagcctgtc tgtttttgct cacccagaaa    660
cgctggtgaa agtaaaagat gctgaagatc agttgggtgc acgagtggng tacatcgaac    720
tggatctcaa cagcggtnag atcctcgaga ggtttcgccc ccgaagaacg tttttc        776
```


<210> 11583
<211> 878
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (741)
<223> n equals a,t,g, or c

<400> 11583

```
gaaaaccctg gcgttaccca acttaatcgc cttgcagcac atcccccttt cgccagctgg     60
cgtaatagcg aagaggcccg caccgatcgc ccttcccaac agttgcgcag cctgaatggc    120
gaatggcgcc tgatgcggta ttttctcctt acgcatctgt gcggtatttc acaccgcata    180
tggtgcactc tcagtacaat ctgctctgat gccgcatagt taagccagcc ccgacacccg    240
ccaacacccg ctgacgcgcc ctgacgggct tgtctgctcc cggcatccgc ttacagacaa    300
gctgtgaccg tctccgggag ctgcatgtgt cagaggtttt caccgtcatc accgaaacgc    360
gcgagacgaa agggcctcgt gatacgccta ttttttatagg ttaatgtcat gataataatg    420
gtttcttaga cgtcaggtgg cacttttcgg ggaaatgtgc gcggaacccc tatttgttta    480
tttttctaaa tacattcaaa tatgtatccg ctcatgagac aataaccctg ataaatgctt    540
caataatatt gaaaaggaa gagtatgagt attcaacatt tccgtgtcgc ccttattccc    600
```


10210

```
tttttttgcgg catttttgcct tcctgtttttt gctcacccag aaaacgctgt gaaaagtaaa        660
gatgctgaag atcagttggg tgcacgagtg ggttacatcg aactggatct caacagcggt        720
aaaaaccttg agagttttcg nccccgagaa cgttttttcaa tgatgagcac ttttaaagtt        780
ctgctatgtg gcgcggtatt aatccctatt tacgcccggg cagaagcact cggtcgccgg        840
atacactatt ctagaatgac ttggttgagt actaacca                                 878


<210> 11584
<211> 150
<212> DNA
<213> Homo sapiens

<400> 11584
cgtcgtgact gggaaaaccc tggcgttacc caacttaatc gccttgcagc acatcccct        60
ttcgccagct ggcgtaatag cgaagaggcc cgcaccgatc gcccttccca acagttgcgc       120
agcctgaatg gcgaatggcg cctgatgcgg                                         150


<210> 11585
<211> 845
<212> DNA
<213> Homo sapiens

<400> 11585
cccgtcgttt tacaacgtcg agactgggaa aaccctggcg ttacccaact taatcgcctt        60
gcagcacatc cccctttcgc cagctggcgt aatagcgaag aggcccgcac cgatcgccct       120
tcccaacagt tgcgcagcct gaatggcgaa tggcgcctga tgcggtattt tctccttacg       180
catctgtgcg ggatttcaca ccgcatatgg tgcactctca gtacaatctg ctctgatgcc       240
gcatagttaa gccagccccg acacccgcca cacccgctg acgcgccctg acgggcttgt        300
ctgctcccgg catccgctta cagacaagct gtgaccgtct ccgggagctg catgtgtcag       360
aggttttcac cgtcatcacc gaaacgcgcg agacgaaagg cctcgtgat acgcctattt        420
ttataggtta atgtcatgat aataatgggt cttagacgt caggtggcac ttttcgggga        480
aatgtgcgcg gaacccctat ttgtttattt ttctaaatac attcaaatat gtatccgctc       540
atgagacaat aaccctgata aatgcttcaa taatattgaa aaaggaagag tatgagtatt       600
caacatttcc gtgtcgccct tattccctttt tttgcggcat tttgccttcc tgtttttgct       660
cacccagaaa cgctggtgaa agtaaaagat gctgaagatc agttgggtgc acgagtgggt       720
tacatcgaac tggatctcaa cagcggtaag atccttgaga gttttcgccc cgaagaacgt       780
tttccaatga tgagcacttt taaagttctg ctatgtggcg cggtattatc ccgtattgac       840
gccgg                                                                   845


<210> 11586
<211> 311
<212> DNA
<213> Homo sapiens

<400> 11586
ggtggagagg acgggcaggt gttcacgtgc ccagttaaga gtgagatggg ttttttatctt        60
cgagtgctac gcctcgttta tgtatttcag gagttgctgg ggcactgtgg gtcagcggct       120
ccgggcacct cctgtgcttg aggcagacac cgtctccccg acctcgcttc accccgtggg       180
tgaaaatgct ctgggagctg agaaaaacta gtttgtgatc ttacagactt tcagggctgc       240
acagttttgt aaataggtaa aacactttcc agtgttacga ttttagtaaa ttcgtgcttt       300
taaatgatgg a                                                            311


<210> 11587
<211> 482
<212> DNA
<213> Homo sapiens

<400> 11587
```

```
ccgggctcct gatgccgggg tgaccgggcc cttgttagga gctccactct gggccccgcg      60
tggagggaca ccccgatgcg ctgttgccag gcccccgggt ctcttcgagg cacaagaata     120
ggctgagcgt ggaaggttct gagcgcggga gattctgagc gcattgccct taccagtctc     180
tgctgcccag cttgggccac ccagcgtctc ccagccggcc gacttggttt cttcattaat     240
tttgcagttc acttttattg agcactccat actgttgaat ccagctttta tagaaacaac     300
cagtttccct tccccctccg ttttcattgg ctcatgtatt taactgaatt ataaaattgt     360
ggtcacaagc gaggttgccg tgaccaggtt ggtgacccag ccctgcctct cggcctgtac     420
ggcgcagtcc atggagcgtg gggggctgga ggggaacaca ttgatatagt tttgtgtttc     480
tc                                                                    482
```

<210> 11588
<211> 482
<212> DNA
<213> Homo sapiens

<400> 11588
```
ccgggctcct gatgccgggg tgaccgggcc cttgttagga gctccactct gggccccgcg      60
tggagggaca ccccgatgcg ctgttgccag gcccccgggt ctcttcgagg cacaagaata     120
ggctgagcgt ggaaggttct gagcgcggga gattctgagc gcattgccct taccagtctc     180
tgctgcccag cttgggccac ccagcgtctc ccagccggcc gacttggttt cttcattaat     240
tttgcagttc acttttattg agcactccat actgttgaat ccagctttta tagaaacaac     300
cagtttccct tccccctccg ttttcattgg ctcatgtatt taactgaatt ataaaattgt     360
ggtcacaagc gaggttgccg tgaccaggtt ggtgacccag ccctgcctct cggcctgtac     420
ggcgcagtcc atggagcgtg gggggctgga ggggaacaca ttgatatagt tttgtgtttc     480
tc                                                                    482
```

<210> 11589
<211> 482
<212> DNA
<213> Homo sapiens

<400> 11589
```
ccgggctcct gatgccaggg tgaccgggcc cttgttagga gctccactct gggccccgcg      60
tggagggaca ccccgatgcg ctgttgccag gcccccgggt ctcttcgagg cacaagaata     120
ggctgagcgt ggaaggttct gagcgcggga gattctgagc gcattgccct taccagtctc     180
tgctgcccag cttgggccac ccagcgtctc ccagccggcc gacttggttt cttcattaat     240
tttgcagttc acttttattg agcactccat actgttgaat ccagctttta tagaaacaac     300
cagtttccct tccccctccg ttttcattgg ctcatgtatt taactgaatt ataaaattgt     360
ggtcacaagc gaggttgccg tgaccaggtt ggtgacccag ccctgcctct cggcctgtac     420
ggcgcagtcc atggagcgtg gggggctgga ggggaacaca ttgatatagt tttgtgtttc     480
tc                                                                    482
```

<210> 11590
<211> 1395
<212> DNA
<213> Homo sapiens

<400> 11590
```
tgtttttctt gaagtagatc ttttttttctt tttaaaggct gataatggag gccccaaagt      60
agccatctgt tactttgttc cattactcta attgcttgcc tcttaggatc tggctaggac     120
taacagtttt caaaattgag taacacactt gacaaaaaaa aaggaaccaa actcaaactc     180
aactgttatc tagaaaaaag actgtgtaaa tatgtgtgag aggcaagtat actctgtttg     240
ccctcttgta agagggatag gggaggccac tcagctgcta gcactctgtt ctctcccctc     300
atcctctcca gaatgtattt tagaacttga ctcttctaat gactgaagaa aaggtggggt     360
atgggaagat ggcctgggac tgcaggtcca cttacactca cctggctaag agttgagatc     420
tggctggtgc cctggagtgg cacctgccac tcacctaatc ctaaacaatc cagggtgtgg     480
gcccaggatt gccctctgcc ttttgaaaca ccctccctgg ttccggcttc taagaccaac     540
agggaggcta ctttggtggc agggagctga ctcaccctcc agttggaact ggtgctaaaa     600
```

10212

```
gcctccattt aacggcagcc gactgcttgg ccccaagtgg gctgccttgt ggggggggaaa    660
gttcagtgga aagtgttgga ggaagcaggg tggtgtgtga atatccaagt agtgctggtg    720
ctattaagct ctgacacagt cagggaggtc agttaaaatg tggtcttatg gccgggcgca    780
gtggctcgcg cctgtaatcc cagcactttg ggaggctgag gtgggcagat cacctgaggt    840
caggagttcg agaccagcct ggccaacatg gtgaaacccc gtctctacca ataatacaaa    900
aattaactgg gcatggtggc aggtgcctgt aatcccagct acttgggagg ctgaggcagg    960
agaatcgctt gaacctgaga ggtggaggtt gcagtgagcc aagatcgcgc tactgcactc   1020
cagcctgagt gacagaacaa gactccatct caaaaaaaaa aaaaaaaatc agatgacaga   1080
ggggagcggg gacaagtttt aagtctaagc ctcctgggtg gggagttctg ctgtttcaac   1140
atatgctcca gtcatggcag actttggcca gacagcgccc tttttcagag tgaactgagt   1200
gtagcacaag ttatctgcca gtgctagtta gcaaacagaa tggagccaaa aaagaattga   1260
tttgggaagg cccaaggaat ttgaaaccgt tgagatgaac actttccgtt tttgctacac   1320
tgatttatgt tgtgctggga attgtacaag cctttgacca gaccttaggg ttgttcttta   1380
aaaaaaaaaa aaaaa                                                     1395


<210> 11591
<211> 486
<212> DNA
<213> Homo sapiens

<400> 11591
cgttcaggtt ttctgaatag ctgaaatatc aacatgttta tctcttccct tgccttagta     60
tatcctagag cagtgttttc cccggcttta tctttattcc ttcatttaat gaactccgtg    120
ttttcatcac tcacattttg ttcccttccc tcagtttcct tcctttgcct tcatttatgt    180
atttagttta cagaataaca aaagcactcg tgttactttt aaacaaggta aaacttaaac    240
agtttttttcc tccgtttctt ttttatgga aataagaggc aagtgatagc aagtgggtaa    300
ttcaatggca gtggtaactg aagcactgac ctgttacaag agagacggaa gcttctactt    360
gagcagatac aaatactgtc atccgtggag atttgaaaga agtctttcta tcactgggta    420
gtttgagagc tcattagtct tctttagaat gggtttaaac ttggaaacat caaagcaagt    480
tacaag                                                               486


<210> 11592
<211> 241
<212> DNA
<213> Homo sapiens

<400> 11592
cagttccctc tcccaatttc taaaagtggc ctgggtaacc tcatcaccct ctgttgtcct     60
ggaagggtga gatctcttga aggttatgcc aaatctcatt acagcaagaa gaaatgactc    120
acttgctaag ttttcgtgtt cattgaaaca tcactatttc aggggcctca atgtttcaac    180
cctgaccgtt ggctttttt ttggagacgg agttttgctc ttgttgccca tgtggctgta    240
t                                                                    241


<210> 11593
<211> 13751
<212> DNA
<213> Homo sapiens

<400> 11593
aagttgttag ctgacaaagt gatattaaag gagatcctcc ccattttgtt agtatctgta     60
aattcatgta tctgtatttt ctgagttttg tggtcacaga aagaaagaat gaacaaatag    120
agtaatttc tgtactcaca tttcggtaaa atgaaggtgg gatatacaag tttacactta    180
cagtctgtgc agcccatata cgttttctgg ttctgggggtt gtttttatat tctctgcatg    240
gagactggca acatcagcat cacatgagta ccacctgact ctagtgacct agtctctttc    300
aacctgattt ttaattgttt ggtcttttt gtttgttttt aactgcttct tgcagggcta    360
ccccatagga gtgtgcccag aatagcctgt tttgtctttt agttctgcaa catcagaaga    420
caaagagtaa atattatatg tgcatgaggg atgctcttaa aaaatggttc attttacttt    480
cagtaagagg ccaggtttct tgatgcacaa cttttttgtt tgttttacag tggaagatag    540
```

```
atgataagcc tgtaaaaatt gacaagtggg atggatcagc tgtgaaaaac tctttggatg  600
attctgccaa aaaggtactt tcttgaggag gggttggtta gtatctatac agctgatggc  660
catctctcct gggaaatctt ttccttttgt aacttggagt gaccttagtt ttcagtgtta  720
gaaattaagt cagaaagcag tttctaaaat ttctcacaga aaaagtcaga ggaagtgtgt  780
tgaaatatca ccaacatggc acatgtatac atatgtaaca aacctgcacg ttgtgcacat  840
gtaccctaaa acttaaagta taataataat aaaattaaaa aaaaaagaaa tatagatgtt  900
ggctatctca agaaagctgg taattttttg tttttgagat taattagcct agagcacaga  960
agggtgagag aagataggac attcattcat gataaatcat ctctccattt gtaaaagtaa  1020
aacatttttag ctgtgggaaa agttgaggag tttaaagttt tttatatgag ggattgatga  1080
acttttttctc ttggttcttc atagaaggct tgagtttttac ttgtttggtg tggtaaatcc  1140
caactggagg gaactacttg gtaattcata tgattctttt atcatggaaa tcaagaataa  1200
aagcacatac tggggaggaa gtattcctat tagcttgatt ccttgttttt ctcaccaggt  1260
acttctggaa aaatacaaat atgtggagaa ttttggtcta attgatggtc gcctcaccat  1320
ctgtacaatc tcctgtttct ttgccatagt ggctttgatt tgggattata tgcacccctt  1380
tccagagtcc aaacccgttt tggctttgtg tgtcatatca tatcctttat ttatgctcag  1440
gttgtttttct agtgactatt tttttaaatc tgctgatatt tctccctaca aaaaacaaaa  1500
cggactttca tattagggct tgctaatgtt agaattcaac attttgagct gtgatgtta  1560
tatagtaaat atctatcagt ttatatagta actgtcactg atattttatg ttttgtatgg  1620
ttatttttatc gtaattcatt tttgttatta atgtagaggt tattgtccta atatgagcac  1680
ttaatagcaa aacacatagt aatagtgaac ccagctcttc tcatttctag cccagaactt  1740
ttcccgttag acgtggctgc ttcaagccac tcattctagg atattaggaa aggatctgat  1800
tttggagact cagatctgta ttaagtttac ttgaagctga ggagctgaac tggaaagtac  1860
tgagcatgag atacaagtgt ggcttgtatt acagtggaat taagaactta ttctggagct  1920
agagaatatg ggtttgaaat ccaaggtatc tgtgatcttg tgctaatgaa aatttactta  1980
ttttttgagat gatttgaata ccactcattt ataaatatgg gtagcattca gaattatcat  2040
aaagattaaa tgagagattt tatattgtat ttgatacata atcatttcct ttcccctctt  2100
ttttatgata aatgtaagat catggtcgtt gcctacccag cgtgattttt tttctcaaga  2160
agttgaatat aaagaactta attatacttc actattaaaa taggtaattt tggttggtag  2220
tttacttttt taaacaatgt taccactacc taaattttgt tttgtttttct tttttttgag  2280
acaggtcttt accgtgtcac ccaggctgaa gtacagtggt gtgatcatga ctcactgcag  2340
cgtcagcctc ctggctcgag caattctccc acctcaacct cctgagtaga cgggcacatg  2400
ccaccatgtc tgcctaattt ttaaattttt tacagagaca aggtcctact acgttgccta  2460
ggctggtctc aaaactcctg ggcccaagca atcctcccaa agtgctggga ttacaggcat  2520
aagccactgt gcccagccaa cctgaaatat gttttaaaac ttcatgttgg ggatttatct  2580
tcagaggcag ttagcaaacc tctgataaag cagatcctag tcaaaaattg tattatccag  2640
attgccccac atttccccca gaagtggcac caggtgatcc ttgactcctt tcagtaatca  2700
gattaatcat cccagtatga attttttcact attaaggcag ttcagaagaa taatattcca  2760
taggttctag agacagttcc caggggaatt ccaaagagat ttgaaaatga tagcaacatt  2820
attacaaata tctggcctcc caagagaact accttgatgg taattcattt gtttggttat  2880
atttgtttaa taaaacaagg tcttattttt gtcatgtcag ttttatttat aatgtaggga  2940
ctaccattat aaatgtcttc tgttgctggg catcgtggct catgcctgta atcccaacac  3000
tttgagaggc caaggcgggc gaatcacttg agcccaagag ttcaaggcca gcctgagcaa  3060
cttggagaaa tctgtcacta ctaaaaatac aaaaattagc tgggcatggt ggcgcatgcc  3120
tgtagtccca gatagttggg aggctgaggc acaagaatca cttgaatcca gggggcggaa  3180
gtcacagtga gccgagatct gctactgcac tccagcctgg gcgatagagc aagactctgt  3240
ctcaaaataa ataaattaat tagataaaat aaaaaataaa ttagctgggt gtagtggcac  3300
acacctataa tcccagctac tgaggaagct gagatgggag gattgcttga gcctgggatg  3360
ttgaggctgc agtgagctga gatcatgcca ctgtactcta gcctgggtga cagagtgaga  3420
ccctgtctca aaaaaaaaag tcttctgtat cctagactgc atatatcctt catctctaaa  3480
tctcatgata attctaaaac atcagtatta tcccaatttt aaaggtaagg atactaagac  3540
ttggggaagg aagttatttg ttacaatcat actgattaaa ggccaagatt taaatctagg  3600
attatctcta ctctaaagtc catatacttt gtactatatt ttcctgcctt tcctgttcat  3660
gaaatttatc tattttttaa ctcttcttta atggaatgct tcatgaattt gcctgtcatc  3720
cttgtgctag ggccatgcta acctctgtat cgttctaatt ttagtatatg tgctgccgaa  3780
gcgagcactg ttcatgaaat ttattttat tttatttatt ttatttttat ttttgatac  3840
agggtctcac tctgttgccc aggctggagt gcagtggcac gatcttgcct cactatagcc  3900
tctgcctccc aggttcaagt gattctcctg cctcagccac acaagtagct gggattacgg  3960
gcctgcacca ctacatccag ctaatttttt tttggttttt gtgggttttt tttgtttttt  4020
tttttttttg agacagagtc ttgctgtgtc acacaggctg gagcacagtg gcacgatctc  4080
ggctcactgc aaccctgcaa cctctgcttc ctgggttcaa gccattctca tgcctcagcc  4140
tcctgagtag caggactaca ggcatgtacc accatgccca gctaattttt gtatttttgg  4200
```

10214

```
tagagacatg gggtttcacc atgttggcca ggctcatctc gaactcctga cctcaagtga    4260
tctgcccacc tcagcctccc aaagtgctgg gattacaggt gtgagccacc acgcctagcc    4320
ttaattttg tatttttagt agaaatgggg tctcccattg ttccttgttg gccaggctgg     4380
tttcaaactc caggtctcaa gcaatccacc tgcctcggcc tcccagagtg ctggtattaa    4440
aggtgtgagc catcgtgccc agccttgttt atgaaattta aatggcacag tatacacaaa    4500
gctcttatgc cagttttggg caaactataa gtgcttatta actatggtac ttaatactgt     4560
caaaaacaat ataataataa gtctatatgc atataggaag taatcgtagt actatttgac     4620
atactctctt atagtaaact atttgggtca cttttcttct cttaataacc cttaaaatca     4680
gttgaacatg gtcaagtcca ctgggactat tcgttgtttt ttataaagaa ataagcacta     4740
ttataacaaa gtcttgacaa actaggtatc ttattataca tgttgtcttt gaacataaag     4800
atgagagcta gtttatgctc tgtatctttt tcttttcttc ctttctgagg tgtttgcaga     4860
attaaccaga gagagccttg cttctcttgg tatataaaca taaggatgaa aatgaaatag     4920
ctaaattttc agtgttttgg cagcaagaca aagctgtctt ctttaggact atcattatga     4980
aagtttttat atctgttgct tgtcaatttg tgttacttct cttttatgtt tgggtatttt     5040
cccctttaact ttatttgaac ctattttgtg atgatgggga ttctgaccat ttatacctca    5100
tataaggaga agagcatctt tctcgtggcc cacaggaaag atcctacagg aatggatcct     5160
gatgatattt ggcagctgtc ctccagtctt aaaaggtatg actatcctca cagattttta     5220
aatcctggtg ttggatttgc cctggcatgt tgtcattatc aacagaagac ttattatgtg     5280
cctactctat gtggatcata gggctagtca tataaaatga agaaaggagt atggatgatc     5340
tagaaggttt gtcctagccc tatagttctg agattgcgtt atcacagaaa tgctctgagg     5400
ataaactgtg ggagaaggta cttttttcctg tggccagtta acagagacga ttaagcatac     5460
aaaagtataa aggccaaaga tgtgagatca gttatctttg aagaattcca ttagcttctg     5520
tgtcttctat gatcctgtct tctctccacg aatacaatca agaatatctg gagcagtgca     5580
ctgggcaact caaaaaaagc acaatctaga gtctgtttct gaccagtgtc aggtataact     5640
ttgtgcagct gacacacatg tgttttgtag gtaccaagaa ctaggttcat gttccaattc     5700
agtttctttc tagctgtata actttgggta aatcatataa attatctgag gtttagtggg     5760
gtcaaaaatg atgcctagag tttctgggaa gatgaaatac caattataat aatagcaaat     5820
gtttattgaa catttactgt atgttgggta ttctgctaaa tgcattatct cattaagttt     5880
tagaacactc attttataga taagaataca ggcccaaagt ttaaatcaac tcttccagta     5940
tcatatagcc caaaagtggt agagcaggaa ttccagccca agtttgaaac cagaattcat     6000
actcgtagtc actatcttaa aaacctatta tacttaactg gtgcataata gccgcacaaa     6060
ttataggtac aattatttat atatgaagtt aagtgtagca tctgtgccat acagactgtc     6120
tcattgccaa cttgtagaag cgcctatgag aaagggaagc agaccttcat tctgttgttg     6180
cagctgagtt cttgcttatc tcctgacagg gcttctagct gccctttggc ctcagccatc     6240
ataatctgca tcctctacca ggccactgaa gctgagttgc agaattctaa aacctagcgg     6300
cattataatt tcattatttt tattctgact tttgtatttt ttaagaactt ttatataatt     6360
cacctaccat acatacagtt cacccattta aagtgtacag ttcaaaagta cctagtagta     6420
tttacagata tttgcaacca ttatcacagt caattttaga gcattttcat cacctcaaaa     6480
aaaaaacctc tgtactctag ctaatcactt ccctatcctc ccacttgcct gagccctggg     6540
caaccaccag tctactttct ctgttctctt ttatggacat ttcatatgaa tggaatcata     6600
caatatgtgg tcttttataa ctgggttctt tcacttagtg caattacttc ctatgtatac     6660
tgcacacaag gttcgttcat gttgtagcat gtatcagtac ttcattcctt tctatggtca     6720
agtaacattc cattttgttt atccatttgt tgacagacat ttgggttgtt tctacttttt     6780
ggctattatg aataatgttg ctatacatat ttgtgtacat gttttaggt agacatgttt     6840
tcatttctct tgggtaatac acctgggaga agacttgtat ggtatgctaa ctctctttgt     6900
ttgatgaact gccagactgt tgtccaaagt ggctgccta ttttacaatc tcactagcag     6960
tgtacaaggg ttctgatttt tttcacgttt cctgctgatt tttaccaact gccgtattgt     7020
tggtggagtg gaatgtgaat gttcttgctc tcttcccggc tttctgctga tgtcttctcc     7080
ctcccccacc tcaccgactg atttagtagc ttaacagtgg ctgattctga tgtcttattc     7140
ccactgccag gtcatgtgat gtgaaaatgg caatgaaagg tttcacagac tactagttgc     7200
cacgtgcaga caacacaagc tatgtgactc tctcgcaaaa agtgattttg tcactcccca     7260
gcaaattcat tatacagtct aaactccttc agcatatgaa gtattacagc attcatcccc     7320
tagtgacatc tccagctttc ttttatgccc ctctcaaaat acattctctt actctggcaa     7380
tattatggaa tttgcaatat gctaagttat ccaagtttcc agtgaccccg tacctttaaa     7440
catattcttc tctctggctt agctatcttt ctgtaacctg gctcactcct acttccaaga     7500
agccttccct gacataccct agtcttcctt aacatgcctt agtctaaatt aggtggtcct     7560
agttattctt ttttttttg agatggagtt tcactcttgt cacccaggct ggagcgcaat     7620
gacgcgatct tggctcactg caacctcctc atccggcttc aagtgattct cctgcctcag     7680
cctcctgagt agctgggatt acggacccac gaccacaccc ggctaatttt tgtatttttt     7740
gtagagatgg ggtttcacca tgttggccag gctggacttg aactcgtgac ctcaagtgat     7800
cgcctagcct tggcctccca aagtggtggg attacaggtg tgagccacca cgcccagccc     7860
```

10215

```
atcctagtta ttttctttca ggcaatttat gctttacact tctggtgagg ttaccaacat   7920
gggagcctat agattgagtt ttataatact ggtgtcctcc ctccctgggg ccccgcccct   7980
cctgcttcca taagtgttga gcgtccgtta tccagttcac tatgtcacgt tgtatctctt   8040
atgccccggt tgggatcttt tctcacgtca cccccgtggg taagccagac ccacgcctca   8100
cgggcctggc gtggcatgtt ttgttatgtg aatgattgac attcatctgg gctgggctgc   8160
agccttgacc tcctaattag tctttgcctg cagcccagtc attgtcagcc atccacaaag   8220
tcccctataa cctagccatc tctatgaaca ttcccttctc tttttttttt ttttaaacaa   8280
caaattggat ccactgaaac ttttatttaa ctttgtaata tgaacattta ccatataagg   8340
ttataagaca atataaaatc tatctcattt catttatagc atagctataa atcaatctaa   8400
tctctcttat taatgtttta aaaaaaaaa tatatttttt tttttcctgc atacttaggc   8460
aatattttcc ccaagggata tatcattctc agtaaactac cgcaagaaca aaaaaccaaa   8520
catcgcatat tctcactcat aggtgggaat tgaacaatga gatcacatgg acacaggaag   8580
gggaacatcc cttctctttc ttaccctaag tgaaacctga ccataacctc tgaggacata   8640
tttccactgc agactgcaag tggtggctga tgtttctctc acagccttca ttactccggt   8700
actacaggta gagatgggtc tctcctttgc agcttccaat gcgtcctctt ccctaaaatc   8760
ccccctttga atgcatgtca tcacattgtg ccacttctat gcctcttctt tgcggttaaa   8820
cacacaccta gtcttttgaa gataattcct ggctcattgg cactctctct aacatttgtc   8880
ctttcttaag tcttggtgat tgccatattc acatagatgg ttattctagt aacttggcct   8940
ctcagtttta cttcctttct tcccattatc ctgttttcta tcatgcctta aacatttatt   9000
ttcatagaca taccctagta gaccttgcaa ttaataagaa caaattacct gcaataattt   9060
cagttttaag tatcccaccc tgaccattgc ttcctgttac tctcatttat ttccttctag   9120
ttctcttgtc acggcatttc ttctgcccca gtggcatctg taacccactt cacttcctcc   9180
ttacctggct tagattccat gacacttctg tagtccagtt actctctccc tgtcctggag   9240
gatctttcat atcttccctg tcctcaaacc tgctaggcct cctcccccat ctttactctc   9300
ggttttttgt tgttgggaag atagaagcca tcataagtct accatcacta ctcacctact   9360
tccaagtacc tatctaaggc cttccctccc ttgggtctat gggattctat ctcttctctc   9420
ttacttgatg ttttcctctc tgctggatca ttccttctga catacaaata tactgtaatt   9480
tctcccaact gaaaaaaaaa aaggttttct ttccccttct gcttctcaca cagtctcctc   9540
atttctctgc tctccttttc ttcttgtgct atcacctgga tctgctcttg tctcctttac   9600
ttgacctgtc agcagcattt gacatagcta attaccctta ctttgtaata cttttttttt   9660
ttaactaggc ttctcagata ccacacactt ctaattttct tcttacctta atgtttgttc   9720
ctcagtctcc tttgtgattc ttcatctccc attttttttac atttgaaatg ccaccagggc   9780
ttgttctgga acctcttctc tatgatgaag atctctaaat ttgtattttc atccttgacc   9840
tcttctctga actctaaata tattctggca ttctttttga tgttggatcc taataggcat   9900
ctcaaagtca acaggtccaa aacctaactc atctctcact catccaaacc tgcccttccc   9960
tcagtttttc ccacttcaat aaatggcagt gctgtcctta cagagctctg gagtcatttg  10020
gactcctctt tctcagtcct tctttagtct gtcagcaaat cctgttagct ccaccatcta  10080
aatgtattgt ccaaccattt accatctcca cagctaccat cctctctcac atatgttact  10140
gtaatgatgt tctttttatgg tttggttttt ttgagacaga gtctcacact ttcatctagg  10200
ctggagtgca gtggcgcgat ctcggctcgc tgcaagctcc gcctcctggg ttcacaccat  10260
tctcctgcct cagcctccca aatagctggg actacaggca ccagccacca cgtctggcta  10320
atttttttgta tttttagtag agacggggtt tcaccatgtt agccaggatg gtctggatct  10380
cctgacctcg tgatctgccc gccttggcct cccaaagtgc tgggattata ggtatgagcc  10440
acggcacccg gcccactgta atgatgttgt aatggacttc tgcagccctc tctccaccca  10500
tagtctattc ccaggacagc aagcaaagtg atccttttga aacataagtc agatcaactc  10560
agtcttttgc tcaaaactct ctcagagaaa ttgccaaaat cctaaggatg gcttagaagt  10620
ccatacatgt ctattctctg cactccacac accgatgcaa acataccctc atctccttgg  10680
ctctcatcct ctcccacttc attctgttca cattaggccc ctttctgttc ttaagacatt  10740
tcagggatgt tcttgcctca gggcctttgc acttgctgtt cctttttcct ggaacattct  10800
ttttccagat agcttattct cttacctttc ttgtctctgc tcagacatct gcttagtgaa  10860
ggctttttctg cccatctatt taagagaaca tcttcttttt ttatactgtc tgttccctca  10920
cacacactaa aatgaaagtc ccaaaaggca gacatttata ttatgttcac tgccgtatat  10980
ccttaccatc taaaactgcc tgtcacatat aggtaggctc agtaaatatc tgaattaatg  11040
aacatttcta aaatgtatca ggtcacaact catcagatca tggactgcca ccaaagccat  11100
gtaactgcca ataaaactgg gcacagaagt ctaaaaatta ctgtgatatc aattagcagt  11160
tggtcagaac ttgagaaaat attttgaggt gttgaaaata gttaaaggaa cttcactact  11220
agctctccaa gttgggagtt actgcctaga ccaacaatta ttgaggagct gtgaccttt  11280
gagcactagt taatgataga cactgtttta gtcatgacag taatcctgaa agcaggtgga  11340
agttctccca ttttaaacat gcagaaatag agcctcaaga aactgcttca tttaaagata  11400
atactagctt gacaatccac tgaatatgtc ctaataaatg gaaacagggt gggggatgtc  11460
agcctaccag taattggtgt cattaaaccc tcttgaatga atggacatag taatggcctt  11520
```

10216

```
caggggtacct tgaagtatag ctaaaggaat ctctggagtt catttagtaa agcagttggc   11580
atccctggcc tgggatcaga gtaaaacctg gagctagatt gattacagag tgcaaggact   11640
aggcaccccg ggattggaga gcatccttga aagcaagggt tcttcattta tttataaaaa   11700
tttgattgcc tactagaagc ccagctaaga gtatgaagca attaagacaa caatctttgc   11760
tcaagaatct cctagacaat cctgattcaa gcaccagaaa caaagggaaa agaaacctcc   11820
cagtctagtg aagaaagtag tacacatcat gtcaacagat aggtaatttt gttgatacca   11880
taagagccta ttattaggcc tggcatatga caggaggtca gtatttgagt tgagtattga   11940
ttgatggtac tgtggaagac agaggaaaca catctgaccc agattggtag gctttcccag   12000
aaaagtttat gcccaagtat agtgttaaca aataagaact tctcaggtga gataggggag   12060
aagagtctgc gaggaaaacc tgtctagcat ggcaaatacg aagtccagag atgagagaag   12120
atggtccacg tggtttaaaa gtctacaaca aggtaaagga ggtacacagt aattaaagta   12180
ggaaagatat gtcaacacct aagaatcaga actagtatct tgaaaagtta ggagccctgg   12240
ggttttgttt ttgcttttgc ttttaaagga tgtgtttgtt ccctgtatca ccgtgcccag   12300
cttactcctt ttcttcggaa acacttggtg ccgtattgtt actggttgaa tctctgtgtt   12360
tggttttaa tttgttatct ttgcccccat gcttaggttt gatgacaaat acaccttgaa   12420
gctgaccttc atcagtggga gaacaaagca gcagcgggaa gccgagttca caaagtccat   12480
tgctaagttt tttgaccaca gtgggacact ggtcatggat gcatatgagc ctgaaatatc   12540
caggctccat gacagtcttg ccatagaaag aaaaataaag tagccaattc taaaagtagc   12600
cctctttctc ctggatcttg ctgaattagt ggcttggggg gtgggggaga taaaaagaac   12660
ttaaaatggg taaagtaaga aatgttaaaa agtcctgttt tgtcctgaaa ttttagtcta   12720
ttctgggtaa ataggatttt ctgacacaga tatgagaagt tgtagctctg atgtctagct   12780
gtagtctcct tgatctgctg attgcattat tttaatttgc ttttctggga aagcagtttt   12840
gctaaaagct gtacagactt tttcttttgt acctagcagt actttatata gtatagcttt   12900
gggccatgta gcattttaag actcaatttt aaaaaattat taatctgttg ctgactctta   12960
attcctattt caatatgtgt ttccttgaag aattcaggat acaacttctt gtgtatgaca   13020
gctttcctac acacactatt tttgtgggtg tgtatatatc tgatttggga agaatttaaa   13080
aaacacatag ctttttaatt tgtttgaaac agactttctg cctgttacat ttttgctttt   13140
aaccaattaa agaagccaat ggcatttttag ttttatattg tgttttccac tagtatatcc   13200
ctgttgattt gtttgtgcct tttattaact gccattttct aaaatttttt tcaataaaag   13260
gaaggaagat gtgaaaaaaa tggagtcata gttttgatgg agagaacaga gaaacaagtg   13320
ttaacatctt tctactatag gttttttttca tttttaggct attttacttg tcaaaggccc   13380
ctgagaacct gtagctaagg aactcttagc tttccagtga taataacaat aataacaaca   13440
ttctgtactt actttgtgcc agaaatgctc caagtacttt acatgtgtta ataatgctca   13500
cagcaatcct aagaggcagg tgctgttatt atccccattt tacacatgag gaaactgaga   13560
tacaaaagtt aaataattgt cacacagcta gtgatagaac tgggattcaa acctggggag   13620
tccggcttca gagttgtggg tcctgcagag acaaaacagc cgcttttcca gtattttccc   13680
agtatggtca gagaagacct gggtgcttgc caagatcctt tgacctttag gaatatttcc   13740
ctacagcctt a                                                         13751


<210> 11594
<211> 5204
<212> DNA
<213> Homo sapiens

<400> 11594
aagttgttag ctgacaaagt gatattaaag gagatcctcc ccattttgtt agtatctgta    60
aattcatgta tctgtatttt ctgagttttg tggtcacaga aagaaagaat gaacaaatag   120
agtaattttc tgtactcaca tttcggtaaa atgaaggtgg gatatacaag tttacactta   180
cagtctgtgc agcccatata cgttttctgg ttctgggggtt gttttttatat tctctgcatg   240
gagactggca acatcagcat cacatgagta ccacctgact ctagtgacct agtctcttttc   300
aacctgattt ttaattgttt ggtcttttttt gtttgttttt aactgcttct tgcagggcta   360
ccccatagga gtgtgcccag aatagcctgt tttgtctttt agttctgcaa catcagaaga   420
caaagagtaa atattatatg tgcatgaggg atgctcttaa aaaatggttc atttttacttt   480
cagtaagagg ccaggtttct tgatgcacaa cttttttgtt tgttttacag tggaagatag   540
atgataagcc tgtaaaaatt gacaagtggg atggatcagc tgtgaaaaac tctttggatg   600
attctgccaa aaaggtactt tcttgaggag gggttggtta gtatctatac agctgatggc   660
catctctcct gggaaatctt ttcctttgt aacttggagt gaccttagtt ttcagtgtta   720
gaaattaagt cagaaagcag tttctaaaat ttctcacaga aaaagtcaga ggaagtgtgt   780
tgaaatatca ccaacatggc acatgtatac atatgtaaca aacctgcacg ttgtgcacat   840
gtaccctaaa acttaaagta taataataat caaattaaaa aaaaaagaaa tatagatgtt   900
```

10217

```
ggctatctca agaaagctgg taattttttg tttttgagat taattagcct agagcacaga      960
aggttgagag aagataggac attcattcat gataaatcat ctctccattt gtaaaagtaa     1020
aacattttag ctgtgggaaa agttgaggag tttaaagttt tttatatgag ggattgatga     1080
acttttttctc ttggttcttt atagaaggct tgagttttac ttgtttggtg tggtaaaatc    1140
ccaactggag ggaactactt ggtaattcat atgattcttt tatcatggaa atcaagaata     1200
aaagcacata ctggggagga agtattccta ttagcttgat tccttctttt tctcaccagg     1260
tacttctgga aaaatacaaa tatgtggaga attttggtct aattgatggt cgcctcacca     1320
tctgtacaat ctcctgtttc tttgccatag tggctttgat ttgggattat atgcacccct     1380
ttccagagtc caaacccgtt ttggctttgt gtgtcatatc atatccttta tttatgctca     1440
ggttgttttc tagtgactat ttttttaaat ctgctgatat ttctccctac aaaaaacaaa     1500
acggactttc atattagggc ttgctaatgt tagaattcaa cattttgagc tgtgatgttt     1560
atatagtaaa tatctatcag tttatatagt aactgtcact gatattttat gttttgtatg     1620
gttatttttat cgtaattcat ttttgttatt aatgtagagg ttattgtcct aatatgagca    1680
cttaatagca aaacacatag taatagtgaa cccagctctt ctcatttcta gcccagaact     1740
tttcccgtta gacgtggctg cttcaagcca ctcattctag gatattagga aaggatctga     1800
ttttggagac tcagatctgt attaagttta cttgaagctg aggagctgaa ctggaaagta     1860
ctgagcatga gatacaagtg tggcttgtat tacagtggaa ttaagaactt attctggagc     1920
tagagaatat gggtttgaaa tccaaggtat ctgtgatctt gtgctaatga aaatttactt     1980
atttttgaga tgatttgaat accactcatt tataaatatg ggtagcattc agaattatca     2040
taaagattaa atgagagatt ttatattgta tttgatacat aatcatttcc tttcccctct     2100
tttttatgat aaatgtaaga tcatggtcgt tgcctaccca gcgtgatttt ttttctcaag     2160
aagttgaata taaagaactt aattatactt cactattaaa ataggtaatt ttggttggta     2220
gtttactttt ttaaacaatg ttaccactac ctaaattttg ttttgttttc gttttttttg     2280
agacagggtc ttaccgtgtc acccaggctg aagtacagtg gtgtgatcat gactcactgc     2340
agcgtcagcc tcctggctcg agcaattctc ccacctcaac ctcctgagta gacgggcaca     2400
tgccaccatg tctgcctaat tttaaatttt ttacagaga caaggtccta ctacgttgcc      2460
taggctggtc tcaaaactcc tgggcccaag caatcctccc aaagtgctgg gattacaggc     2520
ataagccact gtgcccagcc aacctgaaat atgtttaaa acttcatgtt ggggatttat      2580
cttcagaggc agttagcaaa cctctgataa agcagatcct agtcaaaaat tgtattatcc     2640
agattgcccc acatagcccc cagaagtggc accaggtgat ccttgactcc tttcagtaat     2700
cagattaatc atcccagtat gaatttttca ctattaaggc agttcagaag aataatattc     2760
cataggttct agagacagtt cccaggggaa ttccaaagag atttgaaaat gatagcaaca     2820
ttattacaaa tatctggcct cccaagagaa ctaccttgat ggtaattcat ttgtttggtt     2880
atatttgttt aataaaacaa ggtcttattt ttgtcatgtc agttttattt ataatagtag     2940
ggactaccat tataaatgtc ttctgttgct gggcatcgtg gctcatgcct gtaatcccaa     3000
cactttgaga ggccaaggcg ggcgaatcgc ttgagcccaa gagttcaagg ccagcctgag     3060
caacttggag aaatctgtca ctactaaaaa tacaaaaatt agctgggcat ggtggcgcat     3120
gcctgtagtc ccagatagtt gggaggctga ggcacaagaa tcacttgaat ccaggggcg      3180
gaagtcacag tgagccgaga tctgctactg cactccagcc tgggcgatag agcaagactc     3240
tgtctcaaaa taaataaatt aattagataa aataaaaaat aaattagctg ggtgtagtgg     3300
cacacaccta taatcccagc tactgaggaa gctgagatgg gaggattgct tgagcctggg     3360
atgttgaggc tgcagtgagc tgagatcatg ccactgtact ctagcctggg tgacagagtg     3420
agaccctgtc tcaaaaaaaa aagtcttctg tatcctagac tgcatatatc cttcatctct     3480
aaatctcatg ataattctaa aacatcagta ttatcccaat tttaaaggta aggatactaa     3540
gacttgggga aggaagttat ttgttacaat catactgatt aaaggccaag atttaaatct     3600
aggattatct ctactctaaa gtccatatac tttgtactat attttcctgc ctttcctgtt     3660
catgaaattt atctattttt taactcttct ttaatggaat gcttcatgaa tttgcctgtc     3720
atccttgtgc tagggccatg ctaacctctg tatcgttcta attttagtat atgtactgcc     3780
gaagcgagca ctgttcatga aatttatttt tattttattt attttatttt tatttttga     3840
tacagggtct cactctgttg cccaggctgg agtgcagtgg cacgatcttg cctcactata     3900
gcctctgcct cccaggttca agtgattctc ctgcctcagc cacacaagta gctgggatta     3960
cgggcctgca ccactacatc cagctaattt ttttttggtt tttgtgggtt tttttgtttt     4020
tttttttttt ttgagacaga gtcttgctgt gtcacacagg ctggagcaca gtggcatgat     4080
ctcggctcac tgcaaccctg caacctctgc ttcctgggtt caagccattc tcatgcctca     4140
gcctcctgag tagcaggact acaggcatgt accaccatgc ccagctaatt tttgtatttt     4200
tggtagagac atggggtttc accatgttgg ccaggctcat ctcgaactcc tgacctcaag     4260
tgatctgccc acctcagcct cccaaagtgc tgggattaca ggtgtgagcc accacgccta     4320
gccttaattt ttgtattttt agtagaaatg gggtctccca ttgttccttg ttggccaggc     4380
tggtttcaaa ctccaggtct caagcaatcc acctgcctcg gcctcccaga gtgctggtat     4440
taaaggtgtg agccatcgtg cccagccttg tttatgaaat ttaaatggca cagtatacac     4500
aaagctctta tgccagtttt tggcaaacta taagtgctta ttaactatgg tacttaatac     4560
```

10218

```
tgtcaaaaac aatataataa taagtctata tgcatatagg aagtaatcgt agtactattt    4620
gacatactct cttatagtaa actatttggg tcacttttct tctcttaata acccttaaaa    4680
tcagttgaac atggtcaagt ccactgggac tattcgttgt tttttataaa gaaataagca    4740
ctattataac aaagtcttga caaactaggt atcttattat acatgttgtc tttgaacata    4800
aagatgagag ctagtttatg ctctgtatct tttctttttc ttcctttctg aggtgtttgc    4860
agaattaacc agagagagcc ttgcttctct tggtatataa acataaggat gaaaatgaaa    4920
tagctaaatt ttcagtgttt tggcagcaag acaaagctgt cttctttagg actatcatta    4980
tgaaagtttt tatatctgtt gcttgtcaat ttgtgttact tctctttttat gtttgggtat    5040
tttcccctta actttatttg aacctatttt gtgatgatgg ggattctgac catttatacc    5100
tcatataagg agaagagcat ctttctcgtg gcccacagga aagatcctac aggaatggat    5160
cctgatgata tttggcagct gtcctccagt cttaaaaggt atga                     5204


<210> 11595
<211> 372
<212> DNA
<213> Homo sapiens

<400> 11595
aagcatgtaa ccggataagt gtattttttac aatggaggag ttacagtcat cttggtattt    60
gtgggagatt ggttccagga tccccaagca taccaaaatc caaggatgct caagtccctt    120
atataaaatg gtatagcatt tgcatataac ctacacacat cctcccatat acttttaatc    180
acctctggat tacctataat acctaatata atgtaaatgc tatgtaaata gttatactgc    240
attggttttt taatttatat tttttgttat tttttaaaat atattttaa tccatggttg       300
gttaaatctg tagatataga gggccaactg tactgttaga cacaagggtc tcgaggcttg    360
cagatagaga ct                                                         372


<210> 11596
<211> 345
<212> DNA
<213> Homo sapiens

<400> 11596
gcgcctatga gaaagggaag cagaccttca ttctgttgtt gcagctgagt tcttgcttat    60
ctcctgacag ggcttctagc tgccctttgg cctcagccat cataatctgc atcctctacc    120
aggccactga agctgagttg cagaattcta aaactagcgg cattataatt tcattatttt    180
tattctgact tttgtatttt ttaagaactt ttatataatt cacctaccat acatacagtt    240
cacccattta aagtgtacag ttcaaaagta cctagtagta tttacagata tttgcaacca    300
ttatcacagt caattttaga gcattttcat cacctcaaaa aaaaa                     345


<210> 11597
<211> 495
<212> DNA
<213> Homo sapiens

<400> 11597
tgtctctctg tgatggagaa caaaggacat agaattaagg aattaacctt agagaatgtt    60
tacattttaa agagtggaga agaatcaaag agtagtcaaa tatgatagaa aatcctgggc    120
gactatttct gagttttgtt ttgttttgtt tttttgccct ttaagtagct ctctttagta    180
ggaaagggaa gaatattgac ttgggttagt agttctgat ttcaaatttc ccctttatca      240
cttacttggc agtatttaac cttttcagag tgtttcactg tcagaaaata ggaattcagg    300
gttgtgaaga ttacataaaa taaatacata aagcacagtg cttgtgacag agtttctttta    360
acttcattag caccttccct gtgacttcaa gtatagacag gactttata cattagaatg      420
gaatatttgt ttaactttgt ttatgtctct tgttttctcc ttcctttgc ttccacttaa      480
aaaaaaaaaa acaaa                                                       495


<210> 11598
<211> 746
```

<212> DNA
<213> Homo sapiens

<400> 11598
ttgttgccac agggaggtag aagatcgaca tgaaaaactg gggatctgaa aacgagcccc   60
tatcctagga ttacctgaag gtgaaacaga ttgagccaga aggaagacaa tgctggtagg   120
ttggttttta atttattaag aatgtttgta atttatatt tcattaaaat tatttcatct   180
acctttacca tattttttgtt taaagggtga caatgattcc tccttaagga aggagaagta   240
atacgataat attttttcctc caagatagtt tgctgaatta tcccttgcca tattcttaat   300
atttgtttct ttttatagat aaagctctgg ggctatttca tgcctctact tccttggaag   360
ctactattga ctgaacgtct ttaagtcatt ttttttttt gtcatttctg ttggttttgc   420
ttctaatcta catctttttcc taaattttta ataagtgttt ttttccccca attatttatt   480
ttcttgaggt tagcctagcc ctaagttttc taaaatggta aaatgtgaat cttaagttca   540
tttagctttt actctagaat tgtttgaatt gtaattgtac tgtgatttag atcagacagt   600
attattagat aaaagatttt aatactttaa taactatcag ccaggtatag tggctcaagc   660
ctgtaatccc agcactttgg gaagccgagg tcaggagttc aagaccagcc tggccaactt   720
ggcaaaaccc catctgtact aaaaaa   746

<210> 11599
<211> 303
<212> DNA
<213> Homo sapiens

<400> 11599
aaccccatct ctactaaaaa tacaaaaatt agctgggtgt ggtggtgcac gcctgtaatc   60
ccagctactc aggaggctga ggcaagagaa ttgcctgaac cgggaggtgg aggttgcagt   120
gagctgagat catgccactg cactccagcc tgggcaacag aaactccatc tcaaaaacaa   180
acaatcagat aaacaaaaaa gatgcacaaa tgtgtagtca agatcccatc acaaaagaga   240
tggcatgcta aaattaggat aatttaagga atgttttaat aaagggctag ttacaaacat   300
gta   303

<210> 11600
<211> 1647
<212> DNA
<213> Homo sapiens

<400> 11600
cacaccagga acatggatac atcacacacc agggtctgtc agtgggtggg gggctagggg   60
agagatagga ttaggagaaa tacctaatgt agatgacagg tttatgggtg cagcaaacca   120
ccatggcaca tgtatacccca tgtaacaaac cttcatgttc tgcacatgta ccccagaact   180
tcaagtataa taataataaa aaaagagatg aattgattca ttcacccttt ttatgaacta   240
aaactcctgg tgtactgccc catacatatt tcgccactag actataaaca atttatcttg   300
ttcctgctgt acttaggcac ccaaaagtgt atctagcacc ttgtagttgt tcaataaata   360
tttgttgaat gaatgaatga atacactgaa ggcttaataa atgtttttaa actaacaact   420
ccacttaagg gggacctggg tgatcataag catcactgca ggagcttttt aaaaatacaa   480
attcctggac tccaggccta tccagtcaga acctcaagag gtggcaccca agttattctg   540
ggacttacct acatttggga gccactaaaa agcatctcct aatgtgccat atcagttctt   600
ccaatgttgc ctcctcccag aagtctctca tgccttccct cgccctagct atggaacgtg   660
gtttttcttg tctttgaacc tttatgggtc aaatgttatt atcagtatta ttacttctcc   720
agtggctctg ttctcactct gcctccaatc tcagcagttt ctcttctgtc tttacccatc   780
taggtagatg gtaaattcct tgcaagtggg taactctctt agaacacctt acaacatctc   840
acacataggg tgacctgaag ttcagacatt ctaaagtgtc attgaagact caatgttgac   900
ttaataattg gtttgtttca agagaagaaa agcaccacct ccagaatgaa agatggctgt   960
atttcagaga cactcttaaa gtataatgca gcataacaag actatgaatt atcagtccat   1020
ctgttcacaa taacttaccc tgtgtgttga gattatcttc tgaaaggtca ccttcaaatt   1080
atatgaacag aaagaaagaa aaatactcct aacaacca acatgtctca gatggagact   1140
gacaatggaa taattacttc caataagtag caaacttagc atgtgataat aatggccaat   1200
aatactctaa tagttcttgt cctagtattg tattccagga gcaattctag gcacattacc   1260
tcagttctcc catcaacctt ccaaaggtca ttttacagat gaggaaactg aagctcatac   1320

```
agttactcat ctttataagt tccttttaag gccaggcacg gtggctcatg cttgtaatcc   1380
cagcactttg ggaggccgag gcaggcggat cactggaggt caggagttca agaccagcct   1440
ggacatcata gtgaaacctc atctctacta aaaatacaaa aaattagcca ggcgtggtgg   1500
cgggcacctg taattccagc tacttggaaa gttgaaggaa gacagtcact tgaacccagg   1560
aagtggaggt tacagtgagc tgagattgtg caactgcact ccagcctggg tgacagaatg   1620
agactccatc ttaaaaaaaa aaaaaaa                                        1647
```

<210> 11601
<211> 1647
<212> DNA
<213> Homo sapiens

<400> 11601
```
cacaccagga acatggatac atcacacacc agggtctgtc agtgggtggg gggctagggg     60
agagatagga ttaggagaaa tacctaatgt agatgacagg tttatgggtg cagcaaacca    120
ccatggcaca tgtataccca tgtaacaaac cttcatgttc tgcacatgta ccccagaact    180
tcaagtataa taataataaa aaaagagatg aattgattca ttacaccttt ttatgaacta    240
aaactcctgg tgtactgccc catacatatt tcgccactag actataaaca atttatcttg    300
ttcctgctgt acttaggcac ccaaaagtgt atctagcacc ttgtagttgt tcaataaata    360
tttgttgaat gaatgaatga atacactgaa ggcttaataa atgtttttaa actaacaact    420
ccacttaagg gggacctggg tgatcataag catcactgca ggagcttttt aaaaatacaa    480
attcctggac tccaggccta tccagtcaga acctcaagag gtggcaccca agttattctg    540
ggacttacct acatttggga gccactaaaa agcatctcct aatgtgccat atcagttctt    600
ccaatgttgc ctcctcccag aagtctctca tgccttccct cgccctagct atggaacgtg    660
gtttttcttg tctttgaacc tttatgggtc aaatgttatt atcagtatta ttacttctcc    720
agtggctctg ttctcactct gcctccaatc tcagcagttt ctcttctgtc tttacccatc    780
taggtagatg gtaaattcct tgcaagtggg taactctctt agaacacctt acaacatctc    840
acacataggg tgacctgaag ttcagacatt ctaaagtgtc attgaagact caatgttgac    900
ttaataattg gtttgtttca agagaagaaa agcaccacct ccagaatgaa agatggctgt    960
atttcagaga cactcttaaa gtataatgca gcataacaag actatgaatt atcagtccat   1020
ctgttcacaa taacttaccc tgtgtgttga gattatcttc tgaaaggtca ccttcaaatt   1080
atatgaacag aaagaaagaa aaatactcct aacacaacca acatgtctca gatggagact   1140
gacaatggaa taattacttc caataagtag caaacttagc atgtgataat aatggccaat   1200
aatactctaa tagttcttgt cctagtattg tattccagga gcaattctag gcacattacc   1260
tcagttctcc catcaacctt ccaaaggtca ttttacagat gaggaaactg aagctcatac   1320
agttactcat ctttataagt tccttttaag gccaggcacg gtggctcatg cttgtaatcc   1380
cagcactttg ggaggccgag gcaggcggat cactggaggt caggagttca agaccagcct   1440
ggacatcata gtgaaacctc atctctacta aaaatacaaa aaattagcca ggcgtggtgg   1500
cgggcacctg taattccagc tacttggaaa gttgaaggaa gacagtcact tgaacccagg   1560
aagtggaggt tacagtgagc tgagattgtg caactgcact ccagcctggg tgacagaatg   1620
agactccatc ttaaaaaaaa aaaaaaa                                        1647
```

<210> 11602
<211> 1647
<212> DNA
<213> Homo sapiens

<400> 11602
```
cacaccagga acatggatac atcacacacc agggtctgtc agtgggtggg gggctagggg     60
agagatagga ttaggagaaa tacctaatgt agatgacagg tttatgggtg cagcaaacca    120
ccatggcaca tgtataccca tgtaacaaac cttcatgttc tgcacatgta ccccagaact    180
tcaagtataa taataataaa aaaagagatg aattgattca ttacaccttt ttatgaacta    240
aaactcctgg tgtactgccc catacatatt tcgccactag actataaaca atttatcttg    300
ttcctgctgt acttaggcac ccaaaagtgt atctagcacc ttgtagttgt tcaataaata    360
tttgttgaat gaatgaatga atacactgaa ggcttaataa atgtttttaa actaacaact    420
ccacttaagg gggacctggg tgatcataag catcactgca ggagcttttt aaaaatacaa    480
attcctggac tccaggccta tccagtcaga acctcaagag gtggcaccca agttattctg    540
ggacttacct acatttggga gccactaaaa agcatctcct aatgtgccat atcagttctt    600
ccaatgttgc ctcctcccag aagtctctca tgccttccct cgccctagct atggaacgtg    660
```

```
gttttttcttg  tctttgaacc  tttatgggtc  aaatgttatt  atcagtatta  ttacttctcc       720
agtggctctg  ttctcactct  gcctccaatc  tcagcagttt  ctcttctgtc  tttacccatc       780
taggtagatg  gtaaattcct  tgcaagtggg  taactctctt  agaacacctt  acaacatctc       840
acacatatggg  tgacctgaag  ttcagacatt  ctaaagtgtc  attgaagact  caatgttgac       900
ttaataattg  gtttgtttca  agagaagaaa  agcaccacct  ccagaatgaa  agatggctgt       960
atttcagaga  cactcttaaa  gtataatgca  gcataacaag  actatgaatt  atcagtccat      1020
ctgttcacaa  taacttaccc  tgtgtgttga  gattatcttc  tgaaaggtca  ccttcaaatt      1080
atatgaacag  aaagaaagaa  aaatactcct  aacacaacca  acatgtctca  gatggagact      1140
gacaatggaa  taattacttc  caataagtag  caaacttagc  atgtgataat  aatggccaat      1200
aatactctaa  tagttcttgt  cctagtattg  tattccagga  gcaattctag  gcacattacc      1260
tcagttctcc  catcaacctt  ccaaaggtca  ttttacagat  gaggaaactg  aagctcatac      1320
agttactcat  ctttataagt  tccttttaag  gccaggcacg  gtggctcatg  cttgtaatcc      1380
cagcactttg  ggaggccgag  gcaggcggat  cactggaggt  caggagttca  agaccagcct      1440
ggacatcata  gtgaaacctc  atctctacta  aaaatacaaa  aaattagcca  ggcgtggtgg      1500
cgggcacctg  taattccagc  tacttggaaa  gttgaaggaa  gacagtcact  tgaacccagg      1560
aagtggaggt  tacagtgagc  tgagattgtg  caactgcact  ccagcctggg  tgacagaatg      1620
agactccatc  ttaaaaaaaa  aaaaaaa                                              1647


<210>  11603
<211>  1647
<212>  DNA
<213>  Homo sapiens

<400>  11603
cacaccagga  acatggatac  atcacacacc  agggtctgtc  agtgggtggg  gggctagggg        60
agagatagga  ttaggagaaa  tacctaatgt  agatgacagg  tttatgggtg  cagcaaacca       120
ccatggcaca  tgtatacccca  tgtaacaaac  cttcatgttc  tgcacatgta  ccccagaact       180
tcaagtataa  taataataaa  aaaagagatg  aattgattca  ttacaccttt  ttatgaacta       240
aaactcctgg  tgtactgccc  catacatatt  tcgccactag  actataaaca  atttatcttg       300
ttcctgctgt  acttaggcac  ccaaaagtgt  atctagcacc  ttgtagttgt  tcaataaata       360
tttgttgaat  gaatgaatga  atacactgaa  ggcttaataa  atgtttttaa  actaacaact       420
ccacttaagg  gggacctggg  tgatcataag  catcactgca  ggagcttttt  aaaaatacaa       480
attcctggac  tccaggccta  tccagtcaga  acctcaagag  gtggcaccca  agttattctg       540
ggacttacct  acatttggga  gccactaaaa  agcatctcct  aatgtgccat  atcagttctt       600
ccaatgttgc  ctcctcccag  aagtctctca  tgccttccct  cgccctagct  atggaacgtg       660
gtttttcttg  tctttgaacc  tttatgggtc  aaatgttatt  atcagtatta  ttacttctcc       720
agtggctctg  ttctcactct  gcctccaatc  tcagcagttt  ctcttctgtc  tttacccatc       780
taggtagatg  gtaaattcct  tgcaagtggg  taactctctt  agaacacctt  acaacatctc       840
acacatatggg  tgacctgaag  ttcagacatt  ctaaagtgtc  attgaagact  caatgttgac       900
ttaataattg  gtttgtttca  agagaagaaa  agcaccacct  ccagaatgaa  agatggctgt       960
atttcagaga  cactcttaaa  gtataatgca  gcataacaag  actatgaatt  atcagtccat      1020
ctgttcacaa  taacttaccc  tgtgtgttga  gattatcttc  tgaaaggtca  ccttcaaatt      1080
atatgaacag  aaagaaagaa  aaatactcct  aacacaacca  acatgtctca  gatggagact      1140
gacaatggaa  taattacttc  caataagtag  caaacttagc  atgtgataat  aatggccaat      1200
aatactctaa  tagttcttgt  cctagtattg  tattccagga  gcaattctag  gcacattacc      1260
tcagttctcc  catcaacctt  ccaaaggtca  ttttacagat  gaggaaactg  aagctcatac      1320
agttactcat  ctttataagt  tccttttaag  gccaggcacg  gtggctcatg  cttgtaatcc      1380
cagcactttg  ggaggccgag  gcaggcggat  cactggaggt  caggagttca  agaccagcct      1440
ggacatcata  gtgaaacctc  atctctacta  aaaatacaaa  aaattagcca  ggcgtggtgg      1500
cgggcacctg  taattccagc  tacttggaaa  gttgaaggaa  gacagtcact  tgaacccagg      1560
aagtggaggt  tacagtgagc  tgagattgtg  caactgcact  ccagcctggg  tgacagaatg      1620
agactccatc  ttaaaaaaaa  aaaaaaa                                              1647


<210>  11604
<211>  361
<212>  DNA
<213>  Homo sapiens

<400>  11604
```

```
gctgtgtgtt catggtgtgc ctgctgctta gaaccctgtg ccctctttgt tcaagggggta    60
aaactggatt ggaggtaaac ctcagtctct ttctgtacat tgaaggaaga gatcaatgat   120
cttcaaacca atcattacag atttccccag ttgaatttga cttagctttt ggatgttgag   180
actgataagg tgattgaaaa cctggcctta accacagcca atgatattga gagttcaagg   240
agaaacacac agcctttca agggtttaga atccgattgg gattgggagg aggtgtgtat   300
ccacgctacc tcatggaaga gtgtttctag tttaaaggag acagaaaaga aaaaaaagaa   360
a                                                                    361
```

<210> 11605
<211> 496
<212> DNA
<213> Homo sapiens

<400> 11605
```
gggaagacca atgtaaatcc aagagcacaa atgaatggaa agtactctct gacagaggtc    60
atcaggggggt atcctcaatg agagcctgaa actctggatg tgacggagtc agagagattg   120
gggacagctt ccctgagcaa gtggtgctag aacctgggtc tgcggtatgc ataggagtta   180
acaaagcaag gtgggtgggt attgaaagaa cgttccagtt gtaggattag taccaaaagg   240
cccctgccac tattatttat gtcttctttg tgatgacttt tcaggatcta catagactgt   300
tggcctttgc tatcatgcaa tgtatgttac ctagtttcac tatttctttt tgagggagga   360
taggtttttt atcttttaa attaaagaac atatctatct tcagaaacaa tgtattttaa   420
ttaaatgatt catattttcc gagaatattt ttcgtataga tgttcggcac aatgtagatt   480
tgagagacca gtaaca                                                    496
```

<210> 11606
<211> 316
<212> DNA
<213> Homo sapiens

<400> 11606
```
gaattctttt tttttttttt tttttttgag acggagtctc gctctgtcac ccaggctgga    60
gtgcagtggc gcgatctcgg ctcactgcaa gctccgcctg ccaggttcac gccattctcc   120
tgcctcagcc tcccgagtag ctgggactac aggcgcccgc taccacgccc ggctaatttt   180
ttgtattttt agtagagacg gggtttcacc gtgttagcca ggatggtctc gatctcctga   240
cctcgtgatc cgcccgcctc ggcctcccaa agtgctggga ttacaggcgt gagccaccgt   300
gcccggccaa gaattc                                                    316
```

<210> 11607
<211> 235
<212> DNA
<213> Homo sapiens

<400> 11607
```
tggcgccatc tctgcccact gtaagctccg cctcccgggt tcacaccatt ctcctgcctc    60
agcctcccaa gtagctggga ctacaggcgc ctgccaccac gcccagctaa ttttttgtat   120
ttttagtaga gacagggttt catcatgtta gccagggtgg tctcgatctc ctgacctcgt   180
gatctgcctg ccttggcctc ccaaagtgct gggattacag gcgtgagcca ccatg         235
```

<210> 11608
<211> 149
<212> DNA
<213> Homo sapiens

<400> 11608
```
gggactacag gcacccgcca ccacacccgg ctaattgttg tattttttagt agagacgggg    60
tttcaccatg ttagccagga tggtctcaat ctcctgacct agtgatctgc ccaccttggc   120
ctcccaaagt gctgggatta caggcgtga                                      149
```

<210> 11609
<211> 228
<212> DNA
<213> Homo sapiens

<400> 11609
ctgcaacctc cacctcctgg ttcaagcgat tctcctgcct cagcctccca cgtagctgga   60
ttacaggcac gtgccaccac gcccagctaa ttttttgtatt tttagtagag atggagtttc   120
accatgttgg ccaggatggt ctcgatctct tgacctcgtg atctgcctgc cttggcctcc   180
caaagtgctg ggattacagg cgtgagccac tacgcccggc ctgcctat   228

<210> 11610
<211> 259
<212> DNA
<213> Homo sapiens

<400> 11610
gtctcattct gtcgcccagg ctggagtgca gtggcacgat ctccgctcac tgcaagctct   60
gcctcccagg tttacgccat tctcctgcct cagcctcccg agtagctggg actacaggca   120
cccgccacca cgcctggcta attttttgta tttttagcag agacggggtt tcaccgtgtt   180
agccaggatg gtctctatct cgtgatcttg tgatccgccc gccttggcct cccaaagtgc   240
tgggattata ggcgtgaaa   259

<210> 11611
<211> 319
<212> DNA
<213> Homo sapiens

<400> 11611
tagatttcta ttcttttttct ttttgagacg gagtctcgct ctgtcgccca ggctggagtg   60
cagtggcgcc atctcggctc actgcaagct ccgcctcccg ggttcacgcc attctcctgc   120
ctcagcctcc caagtagctg ggacggcagg tgcccgccac catgcccggc taactttttg   180
tatgtttagt acagacgggg tttcaccatg ttagccagga tggtctcgat ctcctgacct   240
tgtgatccgc cggcctcggc ctcccaaagt gctgggatta caggcgtgag ccaccgcgcc   300
cggcctgatt tctattctt   319

<210> 11612
<211> 300
<212> DNA
<213> Homo sapiens

<400> 11612
gtgtggtttt tttttttttt tttttgagac ggagtctcgc tctgtcaccc aggctggagt   60
gcagtggttc catctcggct cgctgcatgc tccgcctcct gggctcatgc cattctcctg   120
cctcagcctc tggagtagct gggactacag gcgcccgcca ccatgcccgg agaatttttt   180
gtattttttag tggagacggg gtttcaccgt gttagccagg atggtctcga tctcctgacc   240
tcgtgatcca cccgcctcgg cctcccaaag tgctgggatt acaggcgtga gccaccgcgc   300

<210> 11613
<211> 268
<212> DNA
<213> Homo sapiens

<400> 11613
tttatttatt gagacggggt ctcgctctgt cccccaggct ggagtgcagt ggccccatct   60

10224

```
cagctcactg caagctccgc ctcccagatt catgccattc tcctgcctca gcctcctggg    120
tagctgggac tacaggcgcc tgccaccgcg cccggctaat tttttatatt tttagtagag    180
acgaggtttc accatgttag ccaggatggt ctcgatctcc tgacctcgtg atccccctgc    240
ctcggcctcc caaagtgctg ggattaca                                       268
```

<210> 11614
<211> 296
<212> DNA
<213> Homo sapiens

<400> 11614
```
ccttttttt tttttttttg agatggagtc tcgctctgtt gcccaggctg gagtgcagtg    60
gcgcaatcta ggctcactgt aagctctgcc tcccgggttc atgccattct cctgcctcag    120
cctcccgagt agctgggact acaggcaccc accaccacac ccagctaatt ttttgtattt    180
ttagtagaga cgggggtttca ccgtgttagc caggatggtc ttgatctcct gacctcgtga    240
tccgcctgcc ttggcctccc aaagtgctgg gattacaggc atgagccacc gcaccc        296
```

<210> 11615
<211> 2548
<212> DNA
<213> Homo sapiens

<400> 11615
```
gaattttttt tttttttttt tttttttttt tttttttgag atggagtctc actctgtttc    60
ccaggctgga gtgcagtggc gcaatctcgg ctgactgcaa gctccgcctc ccgggttcat    120
gccattctcc tgcctcagcc tcccgagtag ctgggactac aggcacctgc caccacgccc    180
agctaatttt ttgtattttt agtagagacg gcatttcact gtgttagcca ggatggtctg    240
gaattcctga cctcatgatc tgcccgtctc agcctcccaa agtgctgaga ttacaggcat    300
cagccaccat gcccggccct accttaatga attttgaaat caaatcttct atactctttg    360
cttgttgaaa atttcccact aggcttgtag ctttttctat ttgtctttgt agttctatca    420
gttcttacgt cttgtgcttt gagactatgt tattagagat ttagcaattt aggattgttg    480
tatcttctgg gtttaagact ttttggccgg gcgcagtggc tctcagctgt aatgccagcc    540
ctttgggagg cagaggtggg cggattgcct gaggtcagga gtttgagact agcctggcca    600
acatggggaa accccatctc tactaaaact acaaaaatta gccaggcaat ggtggtacac    660
gcctgtaatc ccaggtactc gggaggttga ggcaggggaa ttgcttgaac ctgggaggca    720
gaggttgcag tgagctgaga tcatgacact gcactccagc ctaggcaaca gagtgagact    780
gggtctcaaa aaaaaaaaaa aaaaagaat ttttgcctta aagtaaattt tatctaggaa    840
ttatatagtg gtgatggctg cataatattt tgaacatact gaaaaaaaat tgaattatat    900
actttaaaag gaaggaggaa accaaccttt tattttatat atatatatac acacactata    960
tatatacata tatacacg tatatataca cacatatata tataaaatac agctatatca     1020
gctttctttt agagtcttcc aattttatat ttctcagtcc ttttactgta tccttttttc    1080
catatcctta tgccttacct gtatccttat gccttactgt atccttatgc cttacctctg    1140
tctctggtaa atagcatgtt gtttgttttt taaacctgtc tactaattct tgtattttaa    1200
ctggagaatt tcttttccat ttatattcac tgtaactatt ggtatatttc agtctgaatc    1260
tataattta ttaagttctt tcttttttt ttttgagac ggagtcttgc tctgttgccc       1320
aggctggagt gcagtggcat gaacttggct cactgcaacc tctgcctccc aggttcaagc    1380
tattctctgg cctcagcctc caaggtagc tgggattaca ggcgcatgcc accatgcccg     1440
gctaattttt gtatttttag tagagacgga gtttcaccat gttggctagg ctggtcttga    1500
gctcctgacc tcatgatcca cctgcctcgg ccttccaaag tgctggatta caggcgtaag    1560
ccaccgcgcc cagccctaaa tgctttgtat ttgtctcctc agtcatcctc agtcatcatc    1620
agtggctttg acgtgagaag actttgtgga atggtagaga ggaaagttat attggaatag    1680
ggtgggagtg aacagattga gggagcagaa atagcatttt gggggcaact gtttctagaa    1740
gtttcgctat gaaggaaagc agagaaatga ggtggagtat gaaaagaaat aataggccaa    1800
ggaagaattt taagagtgag agataccaga gcatgtttgt atgctgaaag agcactcttt    1860
atgtgctcta tattcccttt tctctccttt cttgccttct tttgaattga taatatattt    1920
ttaactttc tacatttttt ctctaccggc ttggaaatta tgcacccttt cactattctt     1980
ttagtaatac tacagggatt actatatcca cccttgactt atttaagtct aataggaatt    2040
tatcttcttc caggatagtg caagaacctt ggaacacttt tactccattt actgtcttgg    2100
ctttttacgtc attgttgtta tacgttttaa tttcattcc aacctcatgt tattattatt    2160
```

```
gctttatgca gccagcatca attcaggttt ataaacatat ttaccatctt cattgttttt    2220
cattcttttc tgcgtttgca agcttttttt ttttttgaga cggagtctct ctctgtcgcc    2280
caggctggag tgcaggggca cagtctcggc tcactgcaag ctccgcctcc cgggttcacg    2340
ccattctcct gcctcagcct cccgagtagc tgggactaca ggcacccgcc actatggcca    2400
gctaattttt tgtattttta gtagagacgg ggtttcaccg tgttagccag gatggtctcg    2460
atctcctgac ctcgtgatcc gcccgccttg gcctcccaaa gtgctgggat tacaggggtg    2520
agccaccgcg cccggccatt tgcaagct                                      2548


<210> 11616
<211> 288
<212> DNA
<213> Homo sapiens


<400> 11616
tttttttttt tttttttttt ttttgagacg gagtctctgt catcacccag gctggcgtgc     60
agtggcgcga tctcggctca ctgcaagctc cacctcctgg gttcacgcca ttctcctgcc    120
tcagcctccg gagtagctgg gactacaggc gcccgccacc acgcccggct aattttttgt    180
attttttggta gagacggggt ttcaccgtgt tagccaggat ggtctctatc tcctaacctt    240
gtgatccacc tgcctcggcc tcccaaagtg ctgggattac aggcgtga                 288


<210> 11617
<211> 301
<212> DNA
<213> Homo sapiens


<400> 11617
tcttattctt tttttttttt tttgagacgg agtttcgctc tgtcgcccag gctggagtgc     60
agtggcgcga tctcgactca ctgcaagctc cgcctcccgg gttcacgcca ttctcctgcc    120
tcagcctccc gtgtagctgg ggctacaggt gcatgccacc atgcccggct aattttttgta    180
tttttagtag agacggggtt tcaccgtgtt agccaggatg gtctcgatct cctgacctcg    240
tgatctgccc gtctcggcct cccaaagtgc tgggattaca ggcgtgagcc accgcgcccg    300
g                                                                    301


<210> 11618
<211> 300
<212> DNA
<213> Homo sapiens


<400> 11618
ttttatttat ttatttattt ttgagacgga gtcttgctct gtcgcccagg ctgtagtgca     60
gtggcgcgat ctctgctcac tgcaagctcc gcctcccggg ttcacgccat tctcctgcct    120
cagcctccgg agtagctggg actacaggcg cccgccacca tgcctggcta attttttttt    180
gtattttag taagacggga tttcaccgtg ttagccagga tggtctcaat tcctgacct    240
tgtgatccgc ccgcctcggc ctcccaaagt gctgggatta caggcgtgag ccaccgcgcc    300


<210> 11619
<211> 120
<212> DNA
<213> Homo sapiens


<400> 11619
attttttgta ttttctttt tagtagagac ggggtttcac cgtgttagcc aggatggtct     60
caatctcctg acctcgtgat ccacccgcct tggcctccca aagtgctggg attacagggt    120


<210> 11620
<211> 611
```

<212> DNA
<213> Homo sapiens

<400> 11620
```
tttttttttt gagacggagt cttgttctgt cgcccaggct ggagtgcagt ggcgggatct      60
cagctcactg caagctccgc ctcccgggtt cacgtcattc tcctgcctcg gcctcccgag     120
tagctgggac tacaggtgcc cgctactaca cccggctaat tttttttttt gtacttttag     180
taaagacagg gtttcaccgt gttagccagg atggtctcca tctcttgacc tcgtgatcct     240
cccgcctcag cctcccaaag tgctgggatt acaggcgtga gctgccgcgc ccagcccaca     300
actgaaattt tttttttttt tttgagacgg agtctcgctc tgtcacccag actggagtgc     360
agtggtggga tctcggctca ctgcaagctc tgcctcccgg gttcatgcca ttctcctgcc     420
tcagcctccc cagcagctgg gactagaggc acccgccacc acgcccggct aattttttgta     480
tttttagtag agacggggtt tcactgtgtt agccaggatg gtctcgatct cctgaccttg     540
tgatccgccc gcctcagcct cccaaagtgc tgggattaca ggcgtgagcc acagcgcccg     600
gccaacaact g                                                          611
```

<210> 11621
<211> 311
<212> DNA
<213> Homo sapiens

<400> 11621
```
actttttttt tttttttttt ttttgagatg gagtcttgct ctgttgccca ggctggaatg      60
cagtggcgca atctcggctc actgtaagct ctgcctcccg ggttcacgcc attctcctgc     120
ctcagcctcc cgagtagctg ggactacagg caccgccac cacgcccagc taattttttg     180
tattttagt agagacgggg tttcaccatg ttagccagga tggtctcaat ctcctgacct     240
catgatctgc ctgcctgggc ctcccaaagt gctgggatta caggcgtgag ccaccgcgcc     300
tggccttcta t                                                          311
```

<210> 11622
<211> 297
<212> DNA
<213> Homo sapiens

<400> 11622
```
tttctttttt tttttttttg agacagagtc tcgctctgtt gcccaggctg gagtgcagtg      60
gcacaatctc agctcactgc aagctccgcc tcccgggttc actccattct cctgcctcag     120
cctgccaagt agctgggaca acaggcaccc accaccacac cctgataatt ttttgtatt     180
tttagtagag acggggtttc accgtgttag ccaggatggt ctcgatctcc tgaccttgtg     240
atccgcccgc ctcggcctcc caaagtgatg ggattacagg cgtgctaccg cgcctag        297
```

<210> 11623
<211> 148
<212> DNA
<213> Homo sapiens

<400> 11623
```
tattttttt tttttttttt ttgtattttt tagtagagac ggggtttcac cgtgttagcc      60
aggatggtct cgatctcctg acctcgtgat ctgcccgcct ggcctccca aagtgctggg     120
attacaggcg tgagccaccg cgcctggc                                        148
```

<210> 11624
<211> 310
<212> DNA
<213> Homo sapiens

<400> 11624

10227

```
tttttcttttc ttttttttttt ctgagacaga gtctcactct gttgcccagg ctggagtgca        60
gtggcgtgat ctcagcttac tgcaagctcc acctcccggg ttcatgccat tctcctgcct       120
cagcctcccg agtagctggg actacaggtg cccaccacca tgcccggcta attttttttgt       180
atttctagta gagacggggt ttcaccgtgt tagccaggat ggtctcgatc tcctgacctc       240
gtgatctgcc cgcctcggcc tcccaaagtg ctgggattac aggcgtgagc caccacgccc       300
ggccctcagt                                                              310


<210> 11625
<211> 1059
<212> DNA
<213> Homo sapiens

<400> 11625
acggggtttc accgtgttag ccaggatgat ctctatctcc tgaccttgtg atctgcctgc        60
cttggcctcc caaagtgctg ggattacagg cgtgagccac cgcgcccggc caagccgcat       120
ccttttaaat tattcatctg ttgaaggatg tttgaggttt ttcactttttt ggcttttgta       180
agtaatatgg tttggatctg tggcgccatt caaatctcac atcaaattgt aagcctgaat       240
gttgtaggtg gggcctggtg ggaggtgact ggattatatg gttggattct catgaatcat       300
ttaataccat tgcctttggt actctctttg ccataatgag tgatttctcc tgagatgtca       360
ctttctttct ttgttttttt gatatctcat ccatcgcagt ttaatctaca aatgaaattt       420
ctacagaaac aggaactatt ttaagaaaga aaaaaatccc tcattcagac ttctttggta       480
gtggtaatgg ctgcaaattt gcagcattta gaaaactaca ctatcaacaa gctttccttt       540
atgaactgag atgtacaaaa tgtagaaagc agatgaaagt gaattatttc ttcaacattt       600
tagtaaaact tctgataatc agagttcaaa gcacataaca actcaagcat aaatgaagat       660
ggagagcctg gggagtttga tttcttaaat tttccaaaaa ggtattattg caaacatata       720
ggatttcccc ccattttaac cttaccagtt tcaaaggaaa gtaaaggtac tggattacat       780
gaagacagca tgtgtgcgag tgcacacgca tgcagggtgg caggtagagt gtcttaattc       840
ctttttctta ctacccaagt ctcacttcac agaaatcatt aggtaaagga aaaccaacga       900
ggagttctgc agttttcttt taataactga ggctgaggca ggagaatcgc ttcaaccctg       960
gaggtggagg ttgcagtgag ccaagattgt gccactgcat tccagcctga gcgatagagt      1020
gagactccac ctcaaaaaaa aaaaaaaga aagaaaaa                                1059


<210> 11626
<211> 310
<212> DNA
<213> Homo sapiens

<400> 11626
tttttttttt ttttttttttt tttttgagac ggagtctcgc tctgtcgccc aggctggagt        60
gcagtggcgc gatctcggct cattgcaagc tccgcctccc gagttcacgc cattctcctg       120
cctcagcctc ttgagtagct gggactacag gcgcccacca ccaagcccgg ctagttttgt       180
ttttgtattt ttagtagaga cggggtttca ccgtgttagc caggatggtc tcgatctcct       240
gaccttgtga tctgcccgcc ttggcctccc aaagtgctgg gattgcaggc gtgagccacc       300
gcgcccggct                                                              310


<210> 11627
<211> 312
<212> DNA
<213> Homo sapiens

<400> 11627
tttttttttt tttttttgag acggagtctc gctctgtccc ccaggctgga gtgcagtggc        60
actatctcgg ctcactgcag gctccgcctc ctgggttcac gccattttcc tgcctcagcc       120
tcccgagtag ctgtgactac aggtgcccgc cacctcgccc ggctaatttt ttgtattttt       180
agtagagacg gggtttcacc atgttagcca ggatggtctc gatctcctga cctcgtgatc       240
cgcccgcctc agcctcccaa agtgctggga ttacaggcgt gagccaccgc gcccggccaa       300
gggcttctgt tt                                                           312
```

10228

<210> 11628
<211> 303
<212> DNA
<213> Homo sapiens

<400> 11628
ttcttttttt tttttttttt ttttgaggtg gagtctcgct ctgtcaccca ggctggagtg   60
cagtggcacg atcttggctc actgcaagct ctgcctcccg ggttcccgcc attctcctgc   120
ctcagcctcc cgagtagctg ggactacagg cgtgcgccac cacacccggc taattctttg   180
tatttttagt agagaggggt ttcaccgtgt tagccaggat ggtctcgatc tcctgacctt   240
gtgatccgcc tgcctcagcc tcccaaagtg ctgggattac aggcgtgagc caccacgccc   300
ggc   303

<210> 11629
<211> 295
<212> DNA
<213> Homo sapiens

<400> 11629
tttttttttt gagacagagt ctcgctctgt cacccaggct ggagtgcagt ggtgtgatct   60
cggctcactg caagctctgc ctcccgggtt catgccattc tcctgcctca gcctcctgag   120
tagctgggac tacaggtgcc caccaccacg cctggctaat tttttgtatt tttagtagag   180
atggagtttc accgtgttag ccaggatggt ctctatctcc tgacctcgtg atccgcctgc   240
ctcggccttc caaggtgctg ggattatagg cgtgagccac cgcgcccggc cggca   295

<210> 11630
<211> 320
<212> DNA
<213> Homo sapiens

<400> 11630
gacttcgttt tctttttttt tcttttcttt tttctttttt tttttgaga cggagtcttg   60
ctctgttgcc caggctggag tgcagtggtg caatctcggc tcactgcaag ctctgcctcc   120
cgggttcacg ccattctcct gtctcagcct cctgagtagc tgggactaca ggtgcccgcc   180
accacgcccg gctaattttt ttgtattttt agtagagacg gggtttcacc gtgttagcca   240
ggatggtctc aatctcctga cctcgtgatc cgcccgcctc ggcctcccaa agtgctggga   300
ttacaggcgt gagccaccat   320

<210> 11631
<211> 322
<212> DNA
<213> Homo sapiens

<400> 11631
gaattttttt tttttttttt tttttttttt tttttttttt gagacggagt ctcgctctgt   60
cgcccaggct ggagtgcagt ggcgcgatct cggctcactg aaagctccgc ctcccgggtt   120
cacgccattc tcctgcctca gcctcccgag tagctgggac tacaggcgcc cgctaccacg   180
cccggctaat tttttgtatt tttagtagag acggggtttc accgtgttag ccaggatggt   240
ctcgatctcc tgacctcgtg atccgcccgc ctcggcctcc caaagtgctg ggattacagg   300
cgtcagccac cgcgcccggc cg   322

<210> 11632
<211> 301
<212> DNA
<213> Homo sapiens

10229

<400> 11632

```
gatttttttt tttttttttt tttttttgag acagagtctc gctctgttgc ccaggctgga    60
gtggagtggt gcgatctcag ctcgctgcaa gctccgcctc ctgggttcac gccattctcg   120
tgcctcagcc tccagagtaa ctgggaccac aggcgcccgc cacgacgccc agctaatttt   180
ttgtattttt agtagagacg gggtttcacc gtgttagcca ggatggtctc gatctcctga   240
ccttgtgatc cgcccgcctc ggcctcccaa agtgctggga ttacaggcgt gagccaccgg   300
g                                                                   301
```

<210> 11633
<211> 299
<212> DNA
<213> Homo sapiens

<400> 11633

```
tcttttcttt tttttgagac ggagtctcgt gctgtcaccc aggctggagt gcggtggtgt    60
gatctcggct cactgcaagc tccacctccc gggttcatgc cattctcctg cctcagcctc   120
ccaagtagct gggactacag gcgctcgcca ccacagcggg ctaatttttt gtatttttag   180
tagagacggg gtttcaccgt gttagccagg atggtctcga tctcctgacc tcgtgatccg   240
cccgctttgg cctcccaaag tgctgggatt acaggcgtga gccaccgcgc ctggcctat    299
```

<210> 11634
<211> 288
<212> DNA
<213> Homo sapiens

<400> 11634

```
tttttttttt tttttttgag acggagtctt gctctgtcac ccaggctgga gtgcggtggc    60
gcgatctcgg ctcactgcaa gctccacctc ctgggttcac accattctcc tgcctcagcc   120
tcccaagtag ·aggggactac aggcacccgc caccacacct ggctaatttt tttgtatttt   180
tagtagaaac agggtttcac tgtgttaacc aggatggtct cgatctcctg accttgtgat   240
ctgcctgcct tggcctccca aagtgctggg attacaggcg tgagccac               288
```

<210> 11635
<211> 1209
<212> DNA
<213> Homo sapiens

<400> 11635

```
tttttttttt tttttttttt tttttttgag agggtgtctt gctctgtcac ccaagctgga    60
gtgtggtggc gcgatctcgg atcactgcaa cctctatgtc ccgggttcaa gctgttctcc   120
tgcctcagcc tcccgagtag ctgggactag aggcatgtgc caccacgccc· agctaatttg   180
tattttagc agagacgggg ttttgccatg ttggccagac tggtctcgaa ttcctgacct   240
caggtaatct gcctgcctct gcctcccaaa gtgctggggt tacaggcatg agccactgtg   300
cctggccaag gtgcatatgt cttgtatctg gcattatagt atcatacagt atcatattca   360
cagtgcacag tatcatattc acagtgcaca gtatcatatt cgttgtgcta aaaatctgcc   420
aattcatctc tcccttccca taggccctgg gcaatcctga cctttttttt tttttttctt   480
tgatacagag tcttgctctg tcacccaggc tgcagtgcaa tggcacgatc ttggctcact   540
acaatcccgc ttcctggttc cagcgattct cctgcctcag cctccctagt agctgtgatt   600
acaggcacat accaccacgc ctggctaatt tttttgtatt tttattagag atggggtttt   660
gccattttgg tcaggctggt ctcgaactcc tgacctcaga tgatctgccc accttggcct   720
cccaaagtgc tgggattaca ggcatgagcc accacgcctg gcccactttt tttttttag   780
acaaggtctc gctctgttgc ccaggttgga gcgcagagtg gcacaatcat aaactcactg   840
cagcctccat ctcctgggct cagatgatcc tcccacctca gcctcccaag tagctgggac   900
tataggtgtg tgccaccaca cccagctaat tttttttttt ttgagacgga gtatcgctct   960
gtctcccagg ttggagtgca gtggtgccat ctctgctcac tgcaagctct gcctcctggg  1020
ttcacgccat tctcctgcct cagcctcccg agtagctggg actacaggcg cccaccacta  1080
tgcccggcta attttttgta tttttagtag agatggggtt tcaccgtgtt agccaggatg  1140
gtctcaattt cctgaccttg tgatctgcct gcctcggcct cccaaagtgc tgggattaca  1200
```

ggtgtgaat   1209

<210> 11636
<211> 131
<212> DNA
<213> Homo sapiens

<400> 11636
tttttttttt gagatagagt ttcactctgt cgcccaggct ggagtgcagt ggcgctatct   60
cggctcactg caagctccgc ctcctgggtt cacgccattc tcctgcctca gcctcccaag   120
tagctggaac t   131

<210> 11637
<211> 823
<212> DNA
<213> Homo sapiens

<400> 11637
aagaatgcta aaaacagtcc cccaatctct tctgacttgt aaagtttctg ctgagaagtc   60
tgctgttagc atgatgagtt atatgaccct ttctctagct gtctttaaga ttctttcttt   120
tgtattgacc ttggaaagtc tgacggctat gtgctctggg gatgatcatc ttgtacagca   180
ggaagagtca ttctcaccct cgatcttagc aaccttagca tatgattttt attcccttgc   240
ttaaattaat aactttttacc ttttcgcttt aagaaagcac tttacagctt ctctggcata   300
tctgaattgc tagcatcatt acacttgtgc tttggggcca ttagtaagat aaaggttact   360
tgaaaacaag cactgagata cagtgacagt ccgtgacaac tgagatggct actaagtgac   420
taatgggtgg ggagaattta agcatgaata tgccgcacaa agcaagaatt cacatcatgg   480
atgctactca gaatagtgtg taatttaaaa cttatgaatt gtttatttct ggaattttcc   540
atttaatatt tttagactac agctgaccat gcgtaattga atgtggaaag gaaaattgca   600
gatatggggg gactactgta ttaaaaaact aggacagaaa attctgtggc ctgaaagact   660
tgatccttca ggaaaatctg aacatctttg ctttgtagtt caaatgtcag taggttaagc   720
atactgccct tgaatgtaat tgtttctcaa atcttacaag agctcagaga tgcaaagaaa   780
ggagccaagt gtcatgttaa acagtgtttt gagtaagaaa aca   823

<210> 11638
<211> 185
<212> DNA
<213> Homo sapiens

<400> 11638
ctctactaaa aatacaaaaa aattagccgg gcatggtggt ggatgcctgt agtcccagct   60
acttgggagg ctgaggcagg agaatggcgt gaacccaggg cgcggagctt gcagtaagcc   120
gagatggcac cactgcactc cagcctgggc gacagagtga gactccgtct caaaaaaaaa   180
aaaaa   185

<210> 11639
<211> 1656
<212> DNA
<213> Homo sapiens

<400> 11639
catgatcata ttatctacaa acagtaacat tttttcttct tttgcaggca ggagagcttt   60
gttctccttt ttcttgccta attgttctga tacaaacttt tggtaataat gttaagatag   120
aagctgtggt cctggaggca tgcttgcaga tcttggcttc agctgtggtc cctgaagcag   180
ccctgtgtct gtatatttta aggatttaac aatgattaca gtttgtataa tctgtttttt   240
gacaggtaaa catctccttt tgtttgggtcc ccaggctgat gagattacct ctggggttgc   300
agagaagaag ggttgtagct gagtctcaag ggtgctgctg ggtctgctgt gtggcctgcc   360
tttgagggtt gtgttaccag agatttagac agtcacagat tctttctggg ccctggaaag   420

10231

```
attagatttc cttgaggaca ttaatctata tggcaggcag taggattggg ttttgaaatt    480
tgtctgcata tgatggccca aataccaggt gtataaatgg gtttagcttt tactgactac    540
ctgggaacag tttttttttt tctttttttt gtgacggaat ctggttctgt cgcccaggct    600
ggagtgtagt gccatgaact tggctcactg caacctccgc ctcccaggtt caagcgattc    660
tcctgcctca gcctcccaac tagctgggag tacaggcgct tccatcacac ccagctaatt    720
tttttttttt tttgagtcgg agtctcactc tgtcacccag gctggagtgc agtggtgcta    780
tctcagctca ctgcaagctc cgcctgctgg gttcatgcca ttctcctgcc tcagcccccc    840
aagtagctgg gactaaaggc gcccgtcacc gtgccaggct aatttttgt atttttaata    900
gagacagggt ttcaccgcgg tctcgatctc ctgacctcgt gatccgcccg cctcggcctc    960
ccaaagtgct gggattacag gtgtgagcca ccgcacccgg cacgctcagc taattttttg   1020
tattttagt agagacgggg tttcactgtg ttagccaggc tggtcttgat ctcctgacct   1080
cctgatttgc ccgcctcggc ctcccaaagt gctgggctta caggcgtgag ccaccgcgcc   1140
cagcccctgg gaacagtttt tataggtctc tctgtgggcc tctgagtgtg tacgagtggc   1200
cacggactgt gactacaaat ggcttgaact gagtcacagg gctgcttcaa ggagcacaac   1260
tgaggccagg atctgcaggc ctgcctccag ggtcatggct gggtgtgtct tcctgcaggt   1320
ctcttgatgg gaaggaccat ttctggacta cagctgagat tgagaactgc ttcataatcc   1380
tcagtaagac caagctgcat gcaccatttt cttgtctgta gccatgtcta tgggctctgg   1440
agttggccac ctgggtgagg gcctgctttt tccaaataac ccttccttgg tctttgactc   1500
cactgaggtt tcacaaccct aactataggc aagcaccatt ctacttatgt tttctaggaa   1560
tttactactt aaaatatctt atgtaagtgg aatcatacat tgtcactttg ttagtgtctt   1620
attaaataat ggtgtctaaa tagtgtctta ttaaaa                            1656


<210> 11640
<211> 184
<212> DNA
<213> Homo sapiens

<400> 11640
ccgtctctac taaaaataca aaaaaattag ctgggcgtgg tgcgggcgcc tgtagtccca     60
gctactcggg aagctgaggc aggagaatgg cgtgaatcca ggaggcggag cttgcagtga    120
gccgagattg cgccactgca ctccagtctg ggcgacagag cgagactcca cctcaaaaaa    180
aaaa                                                                184


<210> 11641
<211> 773
<212> DNA
<213> Homo sapiens

<400> 11641
tcaacatcca gccttagaaa tagctccctt taggtcacca aattaacagg agtttctaaa     60
ggatagcagc ttttttgcaa ctgctgcatc tgttagattc atgttctctt tgctcccttc    120
tccccaagct tctatttcat gatctttttg ttgttttgct ctacttttcc tcttttaaa    180
acctctgcat tggccaccca ggatttaaga ggagcttttc tggaaagctg tctgaaacag    240
gaacaaatta cacagaaaca ctgagagctg tgaacttgtg tgtatacctg acatagtggg    300
agaggggggc ttccttctaa gtaatagaga agagtgaata ttctaatcat tgagtagtgg    360
tcaggcctgt aatcactgct ttttcttttg ctgagctcgg tatcaacgga caagctcaaa    420
aattgtagct atttaaaatt actctccatg taaagggttc ctgttccttt gatcctatca    480
cagactattc ctttttttct attgaggagg ttcataagat ctcgtgggca agggctgagg    540
agatgactat tgcgtagtgt agttgtttta aattaaaaat ttacctctag ttataggtgc    600
tactttttac ttaccctcaa tttggagatt acatcatgca ggctgggcac agtggttcat    660
gcctgtaacc ccagtgcttt aggaggccaa ggcgggagaa ttgctaaagg ccaggaatta    720
gagaccaccc tgggcaacac agcaaggcgt catctctacc aaaaaaaaaa aaa           773


<210> 11642
<211> 774
<212> DNA
<213> Homo sapiens
```

<400> 11642

```
tcaacatcca gccttagaaa tagctccctt taggtcacca aattaacagg agtttctaaa    60
ggatagcagc ttttttgcaa ctgctgcatc tgttagattc atgttctctt tgctcccttc   120
tccccaagct tctatttcat gatctttttg ttgtttgct ctacttttcc tcttttaaa     180
acctctgcat tggccaccca ggatttaaga ggagcttttc tggaaagctg tctgaaacag   240
gaacaaatta cacagaaaca ctgagagctg tgaacttgtg tgtatacctg acatagtggg   300
agagggggc ttccttctaa gtaatagaga agagtgaata ttctaatcat tgagtagtgg    360
tcaggcctgt aatcactgct ttttctttg ctgagctcgg tatcaacgga caagctcaaa    420
aattgtagct atttaaaatt actctccatg taaagggttc ctgttccttt gatcctatca   480
cagactattc ctttttttct attgaggagg ttcataagat ctcgtgggca agggctgagg   540
agatgactat tgcgtagtgt agttgtttta aattaaaaat ttacctctag ttataggtgc   600
tacttttac ttaccctcaa tttggagatt acatcacgca ggctgggcac agtggttcat    660
gcctgtaacc ccagtgcttt aggaggccaa ggcgggagaa ttgctaaagg ccaggaatta   720
gagaccaccc tgggcaacac agcaaggcgt catctctacc aaaaaaaaaa aaaa          774
```

<210> 11643
<211> 771
<212> DNA
<213> Homo sapiens

<400> 11643

```
tcaacatcca gccttagaaa tagctccctt taggtcacca aattaacagg agtttctaaa    60
ggatagcagc ttttttgcaa ctgctgcatc tgttagattc atgttctctt tgctcccttc   120
tccccaagct tctatttcat gatctttttg ttgtttgct ctacttttcc tcttttaaa     180
acctctgcat tggccaccca ggatttaaga ggagcttttc tggaaagctg tctgaaacag   240
gaacaaatta cacagaaaca ctgagagctg tgaacttgtg tgtatacctg acatagtggg   300
agagggggc ttccttctaa gtaatagaga agagtgaata ttctaatcat tgagtagtgg    360
tcaggcctgt aatcactgct ttttctttg ctgagctcgg tatcaacgga caagctcaaa    420
aattgtagct atttaaaatt actctccatg taaagggttc ctgttccttt gatcctatca   480
cagacttcct tttttctat tgaggaggtt cataagatct cgtgggcaag ggctgaggag    540
atgactattg cgtagtgtag ttgttttaaa ttaaaaattt acctctagtt ataggtgcta   600
cttttactt accctcaatt tggagattac atcatgcagg ctgggcacag tggttcatgc    660
ctgtaacccc agtgctttag gaggccaagg cgggagaatt gctaaaggcc aggaattaga   720
gaccaccctg ggcaacacag caaggcgtca tctctaccaa aaaaaaaaa a             771
```

<210> 11644
<211> 560
<212> DNA
<213> Homo sapiens

<400> 11644

```
ccaaattaaa attaggcgtg tctggtcaac agtgatcacg ttgcatgctt ttagctttgc    60
ttgttgaagt tgcttctcct ccccgagtgg ctttcctccc cacaattttt ttttttgaa    120
ggaaatatca taagctcttt cagaaatact cacaggaagt gagagtccgt atgctggtta   180
ctcaccagca actgagtgtt ggcaggtgga gaatgctacc gcagcccgcc cagacggatc   240
tgcagactgg ccccatcgca gaggattaga cagagggtgc atggatcata gggtttttga   300
aaagaaggga gttttaagag gaaattggtc actgcgtgtc atctcgaggg gtggtgattc   360
agggagcagg gctgggggtc agaaggcacg tggctgccat ctcagaggtt gctgctcact   420
tctcagaggg caggctggct tctaaaaatc aacgctccct ccaccccaa acagcgattc    480
ttctgcagtg aatcacttcc agaaatgaat agccacagtt ttttggaatg aacgttgtga   540
aatccctcct ttataatggc                                               560
```

<210> 11645
<211> 6175
<212> DNA
<213> Homo sapiens

<400> 11645

```
tctagttcat cagaaacaag tttaattcgg gaactgtagt ttatccaggt tccgtgaagg      60
caattagcac tgggcaaagg gctgtttgat cagcctagag agagaccgcc tttacgccta     120
aagctccagt catttgtctc tactcccgcc gactcgcagc ggccacagaa gacatcagaa     180
ctggatgaaa atggccctgc ccctgcgaca gagcagggcg cttctggctt gcgccttgtt     240
atttgtccct ccagtggttc ctagctgttg tgacgtcaag gctgccattc agagcagaga     300
aaaaggaaac catggcctct cttcgcatca gtagcccgga caagctgttg tttctcaggc     360
atccaaagcg ctttctgtct ggcagagctg tgcattccat gcctgggtga cctggttaaa     420
tggaggaaac caaatgctat ccgctgaatg ctctccaaaa caagcattcc gccctgcgcg     480
tctcaagcac aggcttcact gcctccgagg actgtgaagg gaacagcagc actgcctgca     540
tttgctgctg gcatattcag cttctggtca gggtcttaaa ggagaaaata acatcctcaa     600
tggcctcgat taatgcacac tcaccaacgt gtttgtgctg cctttggggt cagtgctaca     660
aaatcctttt ttaaaaaagg attcggaatc acagtcagaa gttcaaaact gctgaactgc     720
cacctcttcc ttcctgtctc acttcggctc acgccattcc ccaatttcag gtttctgaat     780
tccagaaagg ctcttgtgta tgtgaacata ttaatcttgc accgtgcctt actgaacgtg     840
tgtatgtttt gcacacacat gagaaagact cacaagtata atgcgtggat cacaactcta     900
ggattttctc aatgaagagt aacaccttat gcttttcaga gaaaaggggc tatttcacag     960
tgtcacagaa ctctccttag gagcaagcca agatctctgt agcaaacatc aatcctgcaa    1020
ggccaaaagc tcactaataa agttctgatc acgtagagtg actgcctaag aattgaccaa    1080
cttcagacta aattttctga ggacatacct tcttgggttt ctttctggca tgagagacta    1140
ttttattaga ttcttggatt caattatagt caccagaaaa agcaaggtta taacaaccac    1200
gctttgtgtt ccagagttgt cttagttaac tcagtattca tttgaggttt tatgttacaa    1260
atcccattaa atctttctca aaatagccct tctctgaaca tttgatggaa gaatatttgc    1320
aggaaccaaa accatttgat atatacaccg gtatatgtca ggaaggatcg tgatacaggg    1380
gtgccttta aaagtgggtt attatacgac agaattcttc caggtccctg actcttgtct    1440
tctgaaaaaa aaaaagtgg agatcttcag aggactggat aaagacagaa tggatggggt    1500
gaattatgta aagttaggat ttagactgag ggtttacagg gctgcagtct cgttttgcct    1560
caacagtcag acttgcccag ggtctggcct aataccatac aaatgtcata tccacagtgg    1620
cattgataca gtggtgggaa tggggcatgg gggtgatgag catagcttct tgctgagtgc    1680
tctggtccgg gtgagcctga gatcttgaga gaaaaactag gacattattt ccatcgtggg    1740
ctgaagaatt agttctgcta cttgcatatc agttaatcct tttctttttt tttttttttt    1800
tttttttgct attactacca tttcaggagg tacttgttat ctgaagataa ctgatacagg    1860
accactactg ctgttttaag aggattgact taaaactgaa tcacacattt aaaaacaaac    1920
agtcactttt tttttaaaga tcttattggg actaagtcct gaaaaaaata aaactaaagt    1980
tgaagtttag tttgtttat ataatagaaa tttgggatat gatgcaacag catgttattt    2040
cttagaagaa agattgaatg ttgacttcta aagcagaatc atataaagaa gatgattttt    2100
gtacaagcat tcgaatttcc ccaaaggcct ctcttaatct tttgatatac aaaccattct    2160
cttgaagagt ctacctctca tgtaatcacc tctgttgact ttctcttcaa ttgttaactg    2220
ttgaaactgt ctttcatctt gtcagtgacc ctatgtgatt catgcagttt gctggtatca    2280
tttttatcaa ctgtgtgaaa atctgcaatt ccaccttaca agtgagctac attggatttt    2340
cattttattc tatgacatta ttcaaccaag aaagtgagca agaatagatg ctgatgttaa    2400
tgaggactaa taataagtga tcactgtgtt tgtcaatatt tttatatgat gatgaccttt    2460
gcttccttat gcaacttggt aactacaggg attcagataa tgattactcg agtaatgaat    2520
ccccaccccc tgccaaatat tatgttgtgt ttaaagtact cagtatggtt tagtgggctt    2580
tataatcaac cacatgtaga tttggaagcc acccctgaca cttcactgag ttctataacc    2640
ttgagtgtgc tattcacaga acctaagatt cttgatcttt tatgtagagt aacaaaacca    2700
accttgcatc ctctagacat tgtaaagtca cagaaaagtt ttgaggaatg cagcgacatg    2760
aattttacta cattttagaa gaccacagct ggggactctg tatgccccgc atcagctaat    2820
accatttgat aggcattttt ttcatggcat aggtgagaac actaaggccc aaggatatga    2880
tgtactttct tggcatcaca tggtttggtt ctggcacagc caagcctaga acccaacctt    2940
cctactgcct gctgtgtttc ttcaccaccc agttgctcct tggcaagtga accaattaca    3000
aaggctgtct tacttgtcca aggacagaga gaaaggtgca tcctgggtga ctggaaatgg    3060
gagtgggagg gagaggatgg aggcagcaga cattgaaagt aagtattgac tagacttggt    3120
gacagaatgg ctcagctcgg ctcagtgaag aagggagtcc agaggccaaa ctttcaaccc    3180
tggtgggatg gctatacagt taagtaaagt aaaatcagta gaatggtgtt ggtttttttg    3240
cttcatgatg aatttaaagg gactgcctta tccagataga aatatgttaa agatataggt    3300
aggagaggta gctaccatta aagatacaga tttgagatta atgccacaga aggagagctg    3360
aaaccactgt actacatata accgtgtgtg tgtgtgttgc acatgtgcgc acacgcactt    3420
gtgttaaact ggatttgttg gcgtatctcc aattcaaacc tgggtcaggt gattatgttg    3480
taacttactg cccagttata atcacaaact gttacacctt catcagaagg aagagcgagt    3540
tccctagatc agtgtgtttg tgtgtttgtt ttgttggatg gatcctgccg aggcactgag    3600
agacagactt tgctgggccc tgttttgtaa acaaatctgt tcacgcacgc tttcttctat    3660
```

10234

```
cattggatgt gtacactggc tctgattttc ccacccgaca cgccaaagcc taagcattta      3720
gaagcttgtt ttctttaga agtaggcagg caccaaagaa aaacctgcat atgcatttaa      3780
agtgtgcaca tctaccctaa gtaagtcttt ggatctttac agttttaact ctgggccatg      3840
tacagtgtat ttcagcccac tacacacggc agacctgcga gacgtcctga cagcccccac      3900
aaaactatgg actgagctta gtgcaaaaga gaaagccctt cttacccttaa aagttcactg      3960
cacgggccat tgtgggatta gtcaccccag atgataaaac ataatactgg ttttcctaag      4020
tagggggtgat tcagctttct cttagattgg aatatgaact taatgtatat aatacataca      4080
gtcacttcct gaacttgtag ttttttgcat gttttattta atattctagc caggtttaag      4140
tttttatggc aggaagtatg tgaatggtta tgacaggagt aaataacagt tgattttatg      4200
attacagtac aggaagtaac ttttcacacc aaataaatct ttgggaaaaa agtgctggct      4260
tataaattta acgtacataa attttccaga atcttgcata cagtcgcctg tgctctctta      4320
aatggaacta aatacctggc tggtcttttt tcttttaact tttttttgtc aacgaatgtc      4380
tttgttttag aaagaggcat tttcaagtgt tttgatgtga cccaacgtga cctaaaacca      4440
ttaaaagatt ctaagcaaaa ataataaggc caaactttag tgtaaatagc atgaaaggct      4500
tgaaaactaa ataaaaaatt attttttcct ttaagagtaa atagctaggc taggcatggt      4560
agttcatacc tgtgaacctg tgaaccattg cttttgggggg ctgaggtgaa aggattgctt      4620
gagcccagaa tttcaagacg agcctgggca acatagcaag accccttctc tattaaaaaa      4680
aaaaaaatag ccagatgtgg cacacgcctg tagtcccaac tactcaagaa actggggcag      4740
gaggatcact tgagcccagg agtttgaggc tgcagtgagc tatgatcacg ccactgtacg      4800
ccagcctagg caacagagcg gggggctctg tcttaaatga ccaaatcatt tttcatcatt      4860
aaagcccggg aagcctccaa actgccaccg agtcaagttc cttccagtga ctcctatagc      4920
catgatctgc aggcacttgg gaggaacagc ctgttaacat cagagaggct gttgcatgtg      4980
aacaagttta cagagaagag gaaagaattg gatagaactt cagttacatt tcattgtaag      5040
cagagcttta acagaggctt tgttttttcct tgaataaaaa aatgaatagc gggaatacaa      5100
gatttagaga agatttcttt cttcacccttt ttcatcttaa agcctaaaga tgttgtaatg      5160
agaaaaatat tgtgacattc ctttctgaag gttactatta cacacacgtg aattatgtga      5220
acgaatgggt ggatgcctgg cagattaaaa tgtagagttc cagatgcatt cataaccacc      5280
atgtggctat gacacagtgg cacatcattg ggctgggagt gaaaggatga aggttcagac      5340
ttcagccctg tgtctgggag cctcacccaa ccaccctgac ggaaaacagg atctctgaat      5400
cccttctacc tctacaactc ggtaccacac attgtgcaac taagtaactt gcaagttatg      5460
tgaaactgtt ttcacaggat cagcagagtt accactgctt cgttgtcctg aatcttcatt      5520
acatttttac agacaatata tttgcatgtg acatgattaa aaatctacct tgtgttttta      5580
tggtctttgt aggttttaag gtagtttctt atatgctgtt ttccttgctg tgcagccaac      5640
ctgggtgtta ctggcagaca tgctgagggc aggctctgga tgtggagtca aggtcaggct      5700
ccctggctct gaatcctggc tcaaccacct actgattgtg taaccctggg catgtcctta      5760
agcacccagg gcctcagttt ccttatctgt aggatgagga ttaaaaatag aacttacctc      5820
cagggctgct gtgaagatta aacgaatgga cggatgtgta gctcgtggta gcgcctgagc      5880
tggccctgca tgtcagtgtg ctgttctcgc tgatgatgaa actggcttag cgaggttggg      5940
tgatatgcat aagagcaaat tagcaaaaaa gatgagccag aactcaaaca cggccttagg      6000
acttctcagt ggctggtgcc cttccgttgt gagaccactc tctctcctgc ctataaaagt      6060
gccacgaaag agtgcgctcc atttcattgt ttaaaagaga actgagtaaa tgttaaacat      6120
gaaggtcatt tgtcacgggg ttttactttg tttggagagg gtggactcta taact          6175
```


<210> 11646
<211> 6171
<212> DNA
<213> Homo sapiens

<400> 11646
```
tctagttcat cagaaacaag tttaattcag gaactgtagt ttatccaggt tccgtgaagg        60
caattagcac tgggcaaagg gctgtttgat cagcctagag agagaccgcc tttacgccta       120
aagctccagt catttgtctc tactcccgcc gactcgcagc ggccacagaa gacatcagaa       180
ctggatgaaa atggccctgc ccctgcgaca gagcagggcg cttctggctt gcgccttgtt       240
atttgtccct ccagtggttc ctagctgttg tgacgtcaag gctgccattc agagcagaga       300
aaaaggaaac catggcctct cttcgcatca gtagcccgga caagctgttg tttctcaggc       360
atccaaagcg ctttctgtct ggcagagctg tgcattccat gcctgggtga cctggttaaa       420
tggaggaaac caaatgctat ccgctgaatg ctctccaaaa caagcattcc gccctgcgcg       480
tctcaagcac aggcttcact gcctccgagg actgtgaagg aacagcagc actgcctgca       540
tttgctgctg gcatattcag cttctggtca gggtcttaaa ggagaaaata acatcctcaa       600
tggcctcgat taatgcacac tcaccaacgt gtttgtgctg cctttggggt cagtgctaca       660
```

10235

```
aaatccttt  ttaaaaaagg  attcggaatc  acagtcagaa  gttcaaaact  gctgaactgc  720
cacctcttcc  ttcctgtctc  acttcggctc  acgccattcc  ccaatttcag  gtttctgaat  780
tccagaaagg  ctcttgtgta  tgtgaacata  ttaatcttgc  accgtgcctt  actgaacgtg  840
tgtatgtttt  gcacacacat  gagaaagact  cacaagtata  atgcgtggat  cacaactcta  900
ggattttctc  aatgaagagt  aacaccttat  gcttttcaga  gaaaggggc   tatttcacag  960
tgtcacagaa  ctctccttag  gagcaagcca  agatctctgt  agcaaacatc  aatcctgcaa  1020
ggccaaaagc  tcactaataa  agttctgatc  acgtagagtg  actgcctaag  aattgaccaa  1080
cttcagacta  aattttctga  ggacatacct  tcttgggttt  ctttctggca  tgagagacta  1140
ttttattaga  ttcttggatt  caattatagt  caccagaaaa  agcaaggtta  taacaaccac  1200
gctttgtgtt  ccagagttgt  cttagttaac  tcagtattca  tttgaggttt  tatgttacaa  1260
atcccattaa  atctttctca  aaatagccct  tctctgaaca  tttgatggaa  gaatatttgc  1320
aggaaccaaa  accatttgat  atatacaccg  gtatatgtca  ggaaggatcg  tgatacaggg  1380
gtgcctttta  aaagtgggtt  attatacgac  agaattcttc  caggtccctg  actcttgtct  1440
tctgaaaaaa  aaaaagtgg   agatcttcag  aggactggat  aaagacagaa  tggatggggt  1500
gaattatgta  aagttaggat  ttagactgag  ggtttacagg  gctgcagtct  cgttttgcct  1560
caacagtcag  acttgcccag  ggtctggcct  aataccatac  aaatgtcata  tccacagtgg  1620
cattgataca  gtggtgggaa  tggggcatgg  gggtgatgag  catagcttct  tgctgagtgc  1680
tctggtccgg  gtgagcctga  gatcttgaga  gaaaaactag  gacattattt  ccatcgtggg  1740
ctgaagaatt  agttctgcta  cttgcatatc  agttaatcct  tttctttttt  ttttttttt   1800
ttttgctatt  actaccattt  caggaggtac  ttgttacctg  aagataactg  atacaggacc  1860
actactgctg  ttttaagagg  attgacttaa  aactgaatca  cacatttaaa  aacaaacagt  1920
cacttttttt  ttaaagatct  tattgggact  aagtcctgaa  aaaaataaaa  ctaaagttga  1980
agtttagttt  gtttatata   atagaaattt  gggatatgat  gcaacagcat  gttatttctt  2040
agaagaaaga  ttgaatgttg  acttctaaag  cagaatcata  taaagaagat  gatttttgta  2100
caagcattcg  aatttcccca  aaggcctctc  ttaatctttt  gatatacaaa  ccattctctt  2160
gaagagtcta  cctctcatgt  aatcacctct  gttgactttc  tcttcaattg  ttaactgttg  2220
aaactgtctt  tcatcttgtc  agtgacccta  tgtgattcat  gcagtttgct  ggtatcattt  2280·
ttatcaactg  tgtgaaaatc  tgcaattcca  ccttacaagt  gagctacatt  ggattttcat  2340
tttattctat  gacattattc  aaccaagaaa  gtgagcaaga  atagatgctg  atgttaatga  2400
ggactaataa  taagtgatca  ctgtgtttgt  caatatttt   atatgatgat  gacctttgct  2460
tccttatgca  acttggtaac  tacagggatt  cagataatga  ttactcgagt  aatgaatccc  2520
cacccctgc   caaatattat  gttgtgttta  aagtactcag  tatggtttag  tgggctttat  2580
aatcaaccac  atgtagattt  ggaagccacc  cctgacactt  cactgagttc  tataaccttg  2640
agtgtgctat  tcacagaacc  taagattctt  gatctttat   gtagagtaac  aaaaccaacc  2700
ttgcatcctc  tagacattgt  aaagtcacag  aaaagttttg  aggaatgcag  cgacatgaat  2760
tttactacat  tttagaagac  cacagctggg  gactctgtat  gccccgcatc  agctaatacc  2820
atttgatagc  cattttttc   atggcatagg  tgagaacact  aaggcccaag  gatatgatgt  2880
actttcttgg  catcacatgg  tttggttctg  gcacagccaa  gcctagaacc  caaccttcct  2940
actgcctgct  gtgtttcttc  accacccagt  tgctccttgg  caagtgaacc  aattacaaag  3000
gctgtcttac  ttgtccaagg  acagagagaa  aggtgcatcc  tgggtgactg  gaaatgggag  3060
tgggagggag  aggatggagg  cagcagacat  tgaaagtaag  tattgactag  acttggtgac  3120
agaatggctc  agcttggctc  agtgaagaag  ggagtccaga  ggccaaactt  tcaaccctgg  3180
tgggatggct  atacagttaa  gtaaagtaaa  atcagtagaa  tggtgttggt  tttttgctt   3240
catgatgaat  ttaaagggac  tgccttatcc  agatagaaat  atgttaaaga  tataggtagg  3300
agaggtagct  accattaaag  atacagattt  gagattaatg  ccacagaagg  agagctgaaa  3360
ccactgtact  acatataacc  gtgtgtgtgt  gtgttgcaca  tgtgcgcaca  cgcacttgtg  3420
ttaaactgga  tttgttggcg  tatctccaat  tcaaacctgg  gtcaggtgat  tatgttgtaa  3480
cttactgccc  agttataatc  acaaactgtt  acaccttcat  cagaaggaag  agcgagttcc  3540
ctagatcagt  gtgtttgtgt  gtttgttttg  ttggatggat  cctgccgagg  cactgagaga  3600
cagactttgc  tgggccctgt  tttgtaaaca  aatctgttca  cgcacgcttt  cttctatcat  3660
tggatgtgta  cactggctct  gattttccca  cccgacacgc  caaagcctaa  gcatttagaa  3720
gcttgttttc  ttttagaagt  aggcaggcac  caaagaaaaa  cctgcatatg  catttaaagt  3780
gtgcacatct  accctaagta  agtctttgga  tctttacagt  tttaactctg  ggccatgtac  3840
agtgtatttc  agcccactac  acacggcaga  cctgcgagac  gtcctgacag  ccccacaaa   3900
actatggact  gagcttagtg  caaaagagaa  agcccttctt  acccttaaag  ttcactgcac  3960
gggccattgt  gggattagtc  accccagatg  ataaaacata  atactggttt  tcctaagtag  4020
gggtgattca  gctttctctt  agattggaat  atgaacttaa  tgtatataat  acatacagtc  4080
acttcctgaa  cttgtagttt  tttgcatgtt  ttatttaata  ttctagccag  gtttaagttt  4140
ttatggcagg  aagtatgtga  atggttatga  caggagtaaa  taacagttga  ttttatgatt  4200
acagtacagg  aagtaacttt  tcacaccaaa  taaatctttg  ggaaaaagt   gctggcttat  4260
aaatttaacg  tacataaatt  ttccagaatc  ttgcatacag  tcgcctgtgc  tctcttaaat  4320
```

10236

```
ggaactaaat  acctggctgg  tcttttttct  tttaacttttt ttttgtcaac  gaatgtcttt      4380
gttttagaaa  gaggcatttt  caagtgtttt  gatgtgaccc  aacgtgacct  aaaaccatta      4440
aaagattcta  agcaaaaata  ataaggccaa  actttagtgt  aaatagcatg  aaaggcttga      4500
aaactaaata  aaaaattatt  ttttcctttta agagtaaata  gctaggctag  gcatggtagt      4560
tcatacctgt  gaacctgtga  accattgctt  tggggggctg  aggtgaaagg  attgcttgag      4620
cccagaagtt  caagacgagc  ctgggcaaca  tagcaagacc  ccttctctat  taaaaaaaaa      4680
aaatagccag  atgtggcaca  cgcctgtagt  cccaactact  caagaaactg  gggcaggagg      4740
atcacttgag  cccaggagtt  tgaggctgca  gtgagctatg  atcacgccac  tgtacgccag      4800
cctaggcaac  agagcggggg  gctctgtctt  aaatgaccaa  atcattttc   atcattaaag      4860
cccgggaagc  ctccaaactg  ccaccgagtc  aagttccttc  cagtgactcc  tatagccatg      4920
atctgcaggc  acttgggagg  aacagcctgt  taacatcaga  gaggctgttg  catgtgaaca      4980
agtttacaga  gaagaggaaa  gaattggata  gaacttcagt  tacatttcat  tgtaagcaga      5040
gctttaacag  aggctttgtt  tttccttgaa  taaaaaaatg  aatagcggga  atacaagatt      5100
tagagaagat  ttctttcttc  acccttttca  tcttaaagcc  taaagatgtt  gtaatgagaa      5160
aaatattgtg  acattccttt  ctgaaggtta  ctattacaca  cacgtgaatt  atgtgaacga      5220
atgggtggat  gcctggcaga  ttaaaatgta  gagttccaga  tgcattcata  accaccatgt      5280
ggctatgaca  cagtggcaca  tcattgggct  gggagtgaaa  ggatgaaggt  tcagacttca      5340
gccctgtgtc  tgggagcctc  acccaaccac  cctgacggaa  aacaggatct  ctgaatccct      5400
tctacctcta  caactcggta  ccacacattg  tgcaactaag  taacttgcaa  gttatgtgaa      5460
actgttttca  caggatcagc  agagttacca  ctgcttcgtc  gtcctgaatc  ttcattacat      5520
ttttacagac  aatatatttg  catgtgacat  gattaaaaat  ctaccttgtg  tttttatggt      5580
ctttgtaggt  tttaaggtag  tttcttatat  gctgttttcc  ttgctgtgca  gccaacctgg      5640
gtgttactgg  cagacatgct  gagggcaggc  tctggatgtg  gagtcaaggt  caggctccct      5700
ggctctgaat  cctggctcaa  ccacctactg  attgtgtaac  cctgggcatg  tccttaagca      5760
cccagggcct  cagtttcctt  atctgtagga  tgaggattaa  aaatagaact  tacctccagg      5820
gctgctgtga  agattaaacg  aatggacgga  tgtgtagctc  gtggtagcgc  ctgagctggc      5880
cctgcatgtc  agtgtgctgt  tctcgctgat  gatgaaactg  gcttagcgag  gttgggtgat      5940
atgcataaga  gcaaattagc  aaaaaagatg  agccagaact  caaacacggc  cttaggactt      6000
ctcagtggct  ggtgcccttc  cgttgtgaga  ccactctctc  tcctgcctat  aaaagtgcca      6060
cgaaagagtg  cgctccattt  cattgtttaa  aagagaactg  agtaaatgtt  aaacatgaag      6120
gacatttgtc  acggggtttt  actttgtttg  gagagggtgg  actctataac  t               6171


<210> 11647
<211> 560
<212> DNA
<213> Homo sapiens


<400> 11647
ccaaattaaa  attaggcgtg  tctggtcaac  agtgatcacg  ttgcatgctt  ttagctttgc        60
ttgttgaagt  tgcttctcct  ccctgagtgg  ctttcctccc  cacaattttt  ttttttttgaa       120
ggaaatatca  taagctcttt  cagaaatact  cacaggaagt  gagagtccgt  atgctggtta       180
ctcaccagca  actgagtgtt  ggcaggtgga  gaatgctacc  gcagcccgcc  cagacggatc       240
tgcagactgg  ccccatcgca  gaggattaga  cagagggtgc  atggatcata  gggttttttga       300
acagaaggga  gttttaagag  gaaattggtc  actgcgtgtc  atctcgaggg  gtggtgattc       360
agggagcagg  gctgggggtc  agaaggcacg  tggctgccat  ctcagaggtt  gctgctcact       420
tctcagaggg  caggctggct  tctaaaaatc  aacgctccct  ccaccccaa   acagcgattc       480
ttctgcagtg  aatcacttcc  agaaatgaat  agccacagtt  ttttggaatg  aacgttgtga       540
aatccctcct  ttataatggc                                                       560


<210> 11648
<211> 560
<212> DNA
<213> Homo sapiens


<400> 11648
ccaaattaaa  attaggcgtg  tctggtcaac  agtgatcacg  ttgcatgctt  ttagctttgc        60
ttgttgaagt  tgcttctcct  ccccgagtgg  ctttcctccc  cacaattttt  ttttttttgaa       120
ggaaatatca  taagctcttt  cagaaatact  cacaggaagt  gagagtccgt  atgctggtta       180
ctcaccagca  actgagtgtt  ggcaggtgga  gaatgctacc  gcagcccgcc  cagacggatc       240
```

```
tgcagactgg ccccatcgca gaggattaga cagagggtgc atggatcata gggttttttga    300
acagaaggga gtttaagag gaaattggtc actgcgtgtc atctcgaggg gtggtgattc    360
agggagcagg gctgggggtc agaaggcacg tggctgccat ctcagaggtt gctgctcact    420
tctcagaggg caggctggct tctaaaaatc aacgctccct ccacccccaa acagcgattc    480
ttctgcagtg aatcacttcc agaaatgaat agccacagtt ttttggaatg aacgttgtga    540
aatccctcct ttataatggc                                               560
```

<210> 11649
<211> 6172
<212> DNA
<213> Homo sapiens

<400> 11649
```
tctagttcat cagaaacaag tttaattcgg gaactgtagt ttatccaggt tccgtgaagg     60
caattagcac tgggcaaagg gctgtttgat cagcctagag agagaccgcc tttacgccta    120
aagctccagt catttgtctc tactcccgcc gactcgcagc ggccacagaa gacatcagaa    180
ctggatgaaa atggccctgc ccctgcgaca gagcagggcg cttctggctt gcgccttgtt    240
atttgtccct ccagtggttc ctagctgttg tgacgtcaag gctgccattc agagcagaga    300
aaaaggaaac catggcctct cttcgcatca gtagcccgga caagctgttg tttctcaggc    360
atccaaagcg ctttctgtct ggcagagctg tgcattccat gcctgggtga cctggttaaa    420
tggaggaaac caaatgctat ccgctgaatg ctctccaaaa caagcactcc gccctgcgcg    480
tctcaagcac aggcttcact gcctccgagg actgtgaagg gaacagcagc actgcctgca    540
tttgctgctg gcatattcag cttctggtca gggtcttaaa ggagaaaata acatcctcaa    600
tggcctcgat taatgcacac tcaccaacgt gtttgtgctg cctttggggt cagtgctaca    660
aaatcctttt ttaaaaaagg attcggaatc acagtcagaa gttcaaaact gctgaactgc    720
cacctcttcc ttcctgtctc acttcggctc acgccattcc ccaatttcag gtttctgaat    780
tccagaaagg ctcttgtgta tgtgaacata ttaatcttgc accgtgcctt actgaacgtg    840
tgtatgtttt gcacacacat gagaaagact cacaagtata atgcgtggat cacaactcta    900
ggatttttctc aatgaagagt aacaccttat gcttttcaga gaaaaggggc tatttcacag    960
tgtcacagaa ctctccttag gagcaagcca agatctctgt agcaaacatc aatcctgcaa   1020
ggccaaaagc tcactaataa agttctgatc acgtagagtg actgcctaag aattgaccaa   1080
cttcagacta aattttctga ggacatacct tcttgggttt ctttctggca tgagagacta   1140
ttttattaga ttcttggatt caattatagt caccagaaaa agcaaggtta taacaaccac   1200
gctttgtgtt ccagagttgt cttagttaac tcagtattca tttgaggttt tatgttacaa   1260
atcccattaa atctttctca aaatagccct tctctgaaca tttgatggaa gaatatttgc   1320
aggaaccaaa accatttgat atatacaccg gtatatgtca ggaaggatcg tgatacaggg   1380
gtgccttta aaagtgggtt attatacgac agaattcttc caggtccctg actcttgtct   1440
tctgaaaaaa aaaaagtgg agatcttcag aggactggat aaagacagaa tggatggggt   1500
gaattatgta aagttaggat ttagactgag ggtttacagg gctgcagtct cgttttgcct   1560
caacagtcag acttgcccag ggtctggcct aataccatac aaatgtcata tccacagtgg   1620
cattgataca gtggtgggaa tggggcatgg gggtgatgag catagcttct tgctgagtgc   1680
tctggtccgg gtgagcctga gatcttgaga gaaaaactag gacattattt ccatcgtggg   1740
ctgaagaatt agttctgcta cttgcatatc agttaatcct tttctttttt ttttttttt   1800
tttttgctat tactaccatt tcaggaggta cttgttatct gaagataact gatacaggac   1860
cactactgct gtttttaagag gattgactta aaactgaatc acacatttaa aaacaaacag   1920
tcactttttt tttaaagatc ttattgggac taagtcctga aaaaaataaa actaaagttg   1980
aagtttagtt tgttttatat aatagaaatt tgggatatga tgcaacagca tgttatttct   2040
tagaagaaag attgaatgtt gacttctaaa gcagaatcat ataagaaga tgattttgt   2100
acaagcattc gaatttcccc aaaggcctct cttaatcttt tgatatacaa accattctct   2160
tgaagagtct acctctcatg taatcacctc tgttgacttt ctcttcaatt gttaactgtt   2220
gaaactgtct ttcatcttgt cagtgaccct atgtgattca tgcagtttgc tggtatcatt   2280
tttatcaact gtgtgaaaat ctgcaattcc accttacaag tgagctacat tggattttca   2340
ttttattcta tgacattatt caaccaagaa agtgagcaag aatatgatgct gatgttaatg   2400
aggactaata ataagtgatc actgtgtttg tcaatatttt tatatgatga tgacctttgc   2460
ttccttatgc aacttggtaa ctacagggat tcagataatg attactcgag taatgaatcc   2520
ccacccctg ccaaatatta tgttgtgttt aaagtactca gtatggttta gtgggcttta   2580
taatcaacca catgtagatt tggaagccac ccctgacact tcactgagtt ctataacctt   2640
gagtgtgcta ttcacagaac ctaagattct tgatctttta tgtagagtaa caaaaccaac   2700
cttgcatcct ctagacattg taaagtcaca gaaaagtttt gaggaatgca gcgacatgaa   2760
ttttactaca ttttagaaga ccacagctgg ggactctgta tgccccgcat cagctaatac   2820
```

10238

```
catttgatag ccattttttt catggcatag gtgagaacac taaggcccaa ggatatgatg    2880
tactttcttg gcatcacatg gtttggttct ggcacagcca ggcctagaac ccaaccttcc    2940
tactgcctgc tgtgtttctt caccacccag ttgctccttg gcaagtgaac caattacaaa    3000
ggctgtctta cttgtccaag gacagagaga aaggtgcatc ctgggtgact ggaaatggga    3060
gtgggaggga gaggatggag gcagcagaca ttgaaagtaa gtattgacta gacttggtga    3120
cagaatggct cagctcggct cagtgaagaa gggagtccag aggccaaact ttcaaccctg    3180
gtgggatggc tatacagtta agtaaagtaa aatcagtaga atggtgttgg ttttttttgct   3240
tcatgatgaa tttaaaggga ctgccttatc cagatagaaa tatgttaaag atataggtag    3300
gagaggtagc taccattaaa gatacagatt tgagattaat gccacagaag gagagctgaa    3360
accactgtac tacatataac cgtgtgtgtg tgtgttgcac atgtgcgcac acgcacttgt    3420
gttaaactgg atttgttggc gtatctccaa ttcaaacctg ggtcaggtga ttatgttgta    3480
acttactgcc cagttataat cacaaactgt tacaccttca tcagaaggaa gagcgagttc    3540
cctagatcag tgtgtttgtg tgtttgtttt gttggatgga tcctgccgag gcactgagag    3600
acagactttg ctgggccctg ttttgtaaac aaatctgttc acgcacgctt tcttctatca    3660
ttggatgtgt acactggctc tgattttccc acccgacacg ccaaagccta agcatttaga    3720
agcttgtttt ctttttagaag taggcaggca ccaaagaaaa acctgcatat gcatttaaag    3780
tgtgcacatc taccctaagt aagtctttgg atctttacag ttttaactct gggccatgta    3840
cagtgtattt cagcccacta cacacggcag acctgcgaga cgtcctgaca gcccccacaa    3900
aactatggac tgagcttagt gcaaaagaga aagcccttct tacccttaaa gttcactgca    3960
cgggccattg tgggattagt cacccccagat gataaaacat aatactggtt ttcctaagta   4020
ggggtgattc agctttctct tagattggaa tatgaactta atgtatataa tacatacagt    4080
cacttcctga acttgtagtt ttttgcatgt tttatttaat attctagcca ggtttaagtt    4140
tttatggcag gaagtatgtg aatggttatg acaggagtaa ataacagttg attttatgat    4200
tacagtacag gaagtaactt ttcacaccaa ataaatcttt gggaaaaaag tgctggctta    4260
taaatttaac gtacataaat tttccagaat cttgcataca gtcgcctgtg ctctcttaaa    4320
tggaactaaa tacctggctg gtctttttttc ttttaacttt tttttgtcaa cgaatgtctt    4380
tgttttagaa agaggcattt tcaagtgttt tgatgtgacc caacgtgacc taaaaccatt    4440
aaaagattct aagcaaaaat aataaggcca aactttagtg taaatagcat gaaaggcttg    4500
aaaactaaat aaaaaattat ttttctccttt aagagtaaat agctaggcta ggcatggtag    4560
ttcatacctc tgaacctgtg aaccattgct ttgggggggct gaggtgaaag gattgcttga    4620
gcccagaagt tcaagacgag cctgggcaac atagcaagac cccttctcta ttaaaaaaaa    4680
aaaatagcca gatgtggcac acgcctgtag tcccaactac tcaagaaact ggggcaggag    4740
gatcacttga gcccaggagt ttgaggctgc agtgagctat gatcacgcca ctgtacgcca    4800
gcctaggcaa cagagcgggg ggctctgtct taaatgacca aatcattttt catcattaaa    4860
gcccgggaag cctccaaact gccaccgagt caagttcctt ccagtgactc ctatagccat    4920
gatctgcagg cacttgggag gaacagcctg ttaacatcag agaggctgtt gcatgtgaac    4980
aagtttacag agaagaggaa agaattggat agaacttcag ttacatttca ttgtaagcag    5040
agctttaaca gaggctttgt ttttccttga ataaaaaat gaatagcggg aatacaagat    5100
ttagagaaga tttctttctt cacccttttc atcttaaagc ctaaagatgt tgtaatgaga    5160
aaaatattgt gacattcctt tctgaaggtt actattacac acacgtgaat tatgtgaacg    5220
aatgggtgga tgcctggcag attaaaatgt ggagttccag atgcattcat aaccaccatg    5280
tggctatgac acagtggcac atcattgggc tgggagtgaa aggatgaagg ttcagacttc    5340
agccctgtgt ctgggagcct caccaacca ccctgacgga aaacaggatc tctgaatccc     5400
ttctacctct acaactcggt accacacatt gtgcaactaa gtaacttgca agttatgtga    5460
aactgttttc acaggatcag cagagttacc actgcttcgt tgtcctgaat cttcattaca    5520
tttttacaga caatatattt gcatgtgaca tgattaaaaa tctaccttgt gttttatgg     5580
tctttgtagg ttttaaggta gtttcttata tgctgttttc cttgctgtgc agccaacctg    5640
ggtgttactg gcagacatgc tgagggcagg ctctggatgt ggagtcaagg tcaggctccc    5700
tggctctgaa tcctggctca accacctact gattgtgtaa ccctgggcat gtccttaagc    5760
acccagggcc tcagtttcct tatctgtagg atgaggatta aaaatagaac ttacctccag    5820
ggctgctgtg aagattaaac gaatggacgg atgtgtagct tgtggtagcg cctgagctgg    5880
ccctgcatgt cagtgtgctg ttctcgctga tgatgaaact ggcttagcga ggttgggtga    5940
tatgcataag agcaaattag caaaaaagat gagccagaac tcaaacacgg ccttaggact    6000
tctcagtggc tggtgccctt ccgttgtgag accactctct ctcctgccta taaaagtgcc    6060
acgaaagagt gcgctccatt tcattgttta aaagagaact gagtaaatgt taaacatgaa    6120
ggtcatttgt cacggggttt tactttgttt ggagagggtg gactctataa ct            6172
```

<210> 11650
<211> 3706
<212> DNA
```

<212> Homo sapiens

<213> Homo sapiens

<400> 11650
```
gtttgttttg ttttgttttt ttgagacggt gtctcgctgc atcacccagg ctggagtgca    60
gtggcgcaat ctcgccttcc tgcagtctcc gcctcctgag ttcaagcgat tctcctgcct   120
cagcctccca agtagctggg actgcaggcg cgcacaccac gcccagctaa tttttgtatt   180
tttagtagag acggggtttc atcatgttga ccaggctggt ctcaaactcc tgacttcagg   240
tgatccaccc gccttcagcc tcccaacgtg ctgggattac agccgtgagc cgccgcgcct   300
ggcctagact tgtgtgttct aaacaggtta agtagcaggt tgggtttttta tgatagtgca   360
aggaatgact catgcctctg agcttctaaa ctgaagctgc tgtaactaaa ggaatctgaa   420
aagaacaacc ctgaagcaga ggcctttatt gtcttggttg ccagtagtac cttgtttttgc   480
catgtagcag acaacacaca aaataatgca gttgtggtgt gccatgctat gtgcacagcc   540
ccttggatta ctttgtttta aaaagcatca gagttggggg tactttaggg aaacctttgc   600
ttaccttgtt ttgccagtga taagagcagt gggttggagg gcacttggcc agttttctgt   660
tcagcttttc agtgaatgta ccccttaag gttcagactt aaacttcctt aaaaagtggc   720
gttgttcata gaatcgttgg actcattaat gaatcgttca actccactca ctgaagccca   780
gacctccgtg cccaggccca atctcgtcag gctgccagag aaagttggtg ctgctcatac   840
tggtctcaca gtctaagtaa gtgtctgtga tgctcccaag caaaggaaat gcaagctctg   900
gaaattcgtt aatgtatttg atgtcttagt gttttagtga ctagggagac cattaactag   960
tttatcatta accacttatc agtgtattga tgttaaagca tttccctgtt agctaaaaga  1020
ggcctgttca tacaagccaa ctggtatata cgtgtggttc atccatcatc tgctgcacat  1080
agcagactag aattctggga accctgtgca attcagtctg ctctcccttg tggaccctgg  1140
taaagaaaag cctcagctca tagtgaacac agcagaccta gaaatgtagc agcagcctac  1200
tgagtagctt tcatttactg atcatctgct gtgactgtgg ccctgtctgg aggttcctag  1260
gttttgagat ttagagcaat gcattctgga gacagaacca gcagaacagc catttttcaa  1320
tttttctta aatcagtatt ccatcaggca gataactgct gtattcatga atcttgagag  1380
tgttcctgag acagaattaa tggtcatttg ggaaaactat cgccatggct tcccatctgt  1440
ggttttcctc taaaagcctt ggagattagc ccttccttgc cagtgagaac ggtgaccgcc  1500
tcctgctctg cacggtctgc ggcagttgcc gcttctggtt aggtgtgtca ggttggctta  1560
ttttgggttc aggcctggcg tagcacccac aagtggcaga catatcacaa gagtccccag  1620
actctgccta gaaacagtgt ttgccctttg gccagtgacg tggttcatcc cggcccatgt  1680
tgagccatga gtggagtttc caacagaggg aggaatgtgt gccttgttca aggagggcac  1740
gacccttagg ccttttttcaa ccagatttag ctgaagggct tgacaccttt gaattacagc  1800
agttgactca gagtgcaaga agtctggcca ttttggaaag caaggtttcc tttcagccct  1860
gtctactgac caatacccccg actcaccttg tgtggcgcac ttcagaatca gatataccta  1920
gagtatacct gtggtttggt tttataatta atcagctcgt tacttcagcc catgaaaatg  1980
gcatccaggg ctgccaggag attcagagct caaaacaagg cgagcttgag ttctgcactc  2040
cagatatgtg ccaaaactag taaaacttaa cggacttaca accttgtcag tttttttaat  2100
gaggcaggga tactctgttt ttcacactaa acatatgaat gcagcactgc tgcctcagct  2160
cagcttcgtg cctgggttcc ccactggtct gggaagactg ttgtgctcca tagagcagtg  2220
cacatctgac ccagagggtg ggtgttcata actgctactt gctctgctct accatgttta  2280
aagaaatatt tggatgttaa attaactcac tatggttttt cacctgggaa ggaaacaaat  2340
tacgtactag agggcattga ctggttaaaa acttgtgtat cccgggaagg acctgcggta  2400
caggagtcag ccatgtctgt gctgtgtgga accacctgat gacatggtta acgaggaaga  2460
cgatgtgttg accggctgcc gtttgaggac tttggtcacc cagactagac accttctgtg  2520
ctcatgtttg gaaagctgaa agggaaggac agctgtgccc tcctgggagc tcatgtgtcc  2580
ctggcgctgt gctagctttc ctttacagct gtttacagac aaggcaggcc tgaggcagat  2640
ggccactgct cttgtgatgt ttgctcagag gaatatgaac attttatttt tgaaaaggga  2700
tgatgtggtt ttttgccagg tgtttataat taatccttta atattatggt tattaacctc  2760
ttaaacatga atgaattctt gattgtttta acacagtacc taagactaat gctttctgtg  2820
gacaccactg agctctgcct caactccacc ctctgcgacc ggaggactat gcccctagta  2880
actgctgtcg gtgtggacgc tgtgctggtt ctgttttcta aaggagcaga aggacaggtc  2940
tctgagacag gatcgttgtc cctacaggag gaacagtggc cttgcttctt agacggtctt  3000
cactgtgtgt tttaaaacaa caacaacaac aacaacaaca acataaaact cttttgacct  3060
gtaacttaaa gatcataaac ttcaggcaat aatattttct gtgtaagctt ttaaaattat  3120
ttttggggat catagcttgt tttattttgt gctataaaat taacagtatt aaatgactta  3180
tattcttaga atacatcgag tgtcttttct taacagatta gtgccttttt attttgtat  3240
tccgttttac gttactggtc ccagcatcaa aacccttgtt tccatggcct gtttgtatat  3300
tgtctcaata aaacttgcat cagccggtgg tggcggcagc ttcggtgttt cagtgtctcc  3360
tcagtccgcc cccactagcc tcctggcagt tcatcagtgg tgaaatctct gatgcttctc  3420
agagacccctt agtgctgctg ctgaccaaga gctagaatga agtcttggca tccgcccatt  3480
```

10240

```
ccaacactcg ggcacccaga ggagagcacc tggggtctcc ctccaaaaga gaaatctgcc    3540
tcccagagtg tctgtcttgt aggtattgta tgggagccta gtgcttggcc ttctgagcat    3600
gaggcaatag ttcccacagg ttgcaccacc acagagaact tggatctttt tccttctagg    3660
cacccatatc tgaggcttct agtaaatatt tcttcagcat gagcta                   3706


<210> 11651
<211> 334
<212> DNA
<213> Homo sapiens

<400> 11651
catctcggca aaaaatataa aaatgagcca ggcatggtga tgcaggcctg tagtcccaac     60
tactgtgcag ggagggccaa ggtgggaaga tcttttgagc ttgggaggca gaggttgcag    120
tgagctgaca taccactgca ctccagcctg ggtgacagag gaagatcctt ctcaccgccc    180
tccccgcccc caccccact aagacagtct tgctctgttg cccagagctg gaatgcagtg    240
gtgtgacgtc acctcattgc aacctccacc tcccgggttc aagcaattct tctgcctcag    300
cctcccctga gtagctggga ttacaggtgt gtgc                                334


<210> 11652
<211> 2457
<212> DNA
<213> Homo sapiens

<400> 11652
ggatattatt gctggattcc tatataccat tttaatctta gctgtcttct atccatttgt     60
ggacctgatt gacaacttca accaaactca caaatatgct ccattcatca tcatcgggct    120
tcatttagct ttggggatct tttctttcac tcttgacacc tggagcacat cccgaggaga    180
cacagccgag atactaggaa gtggtgctgg aattgcatgt ggatctcatg ttacttataa    240
catgggtcta gtattagatc cttctctaga tacattacct ttagctgggc cccccattac    300
tgtgactctg tttggaaaag ccatattgcg gatcctcata gggatggtat ttgtactaat    360
aatcagagat gtaatgaaaa agatcaccat tccttagcc tgcaaaatct tcaatatacc    420
gtgtgatgat attcgaaaag caagacagca catggaagtt gaacttcctt atcggtatat    480
tacctatgga atggttggtt tctccatcac atttttgtt ccttacatat ttttctttat    540
tggtatctct tgatggagaa gtattgttta tgataagaaa ggagggtatc agttactgat    600
acccaaaaat atattccagg taaagccagg tcagaattag gcttttgcag gaatttaact    660
taaataatta tttaagtaaa ttcataagag tcagtgcatt ttatcattgc acatccagat    720
actgttttag gtgagctgag ctatttcgtt actgagaaaa tgataagtat ccatttagaa    780
tgttcatgta atgtttggag agtttttgtat tatggattca acttatatat aatatatata    840
aggtacataa tatgcaatta tatatctgat atatattata tataaaataa tatacctaag    900
tgtttttttta aactatggga gtgtattata aaatcaataa taatatgcaa acagttgtgc    960
ctgtgtattt gaactacata caggtatgtt gttattaaca gatatattta acatttatttt   1020
actatgggag ccatttccta attgaattgc gtaattacta gaccagaatg catatgctac   1080
tatacattga tttactgcct gtttttacac tgccattacc tttcatgtta tccatgatgt   1140
tgaacatggg aggcatttt aatggaccaa atttttagaa aaattagttt ttggattttt   1200
ttttaagttc tgtatactgt tttgaatgaa ctttatttgc agctattctg gatgtcagtt   1260
taataattca ggtactgaat tttattgctt gctaattgtg cctttccgtt gctaaattaa   1320
gaaatgctat gtgtactgtg atgtaaaaat aagacattaa ctttatctta agttacatat   1380
aatcaagcaa atattttaaa aaatgtatgt cagggtgaca ggcataaaag taaattaccc   1440
ttaactcttt agcctttatt tagaaagaaa tgtggaatgg gctaaacttt ctcaccaatt   1500
tattagaaag ctaaatggat aaatacttcc ctttttgtag atatttttct gtgcattgta   1560
agttatagga gcaggacata ttttttgtac attgtcttga ttgtttatac tgcaggtagg   1620
tatttccagt gaatggaaac gttgaaattt atagatggga caatgcacat acttcatatg   1680
taaacaaagc attttttctaa ataatttgga aaggattgga tttagcaccg ttaacttta   1740
atacccattt attggctatt taaggtaaat tataaaacct aaaattagta tcagtatttt   1800
agatcctatt attttttcaa ctttctatta ttttcacagt ggaaaatttg cgtatagtat   1860
taaactattc tttttttctgt ctacctttat attttgaagt gtggttgtac ttacgttaat   1920
agtaagtgta tttgtagaaa gtttttcata aagaagagat taactttcca tataaataaa   1980
taccaggtat gaaattactg attttagtgc aatatctgta tgattatcca gaactatcac   2040
ttcagatgtt tctattttgg gcaccataac tatttgagct catattttta taattctgat   2100
```

10241

```
tgagaatttta ggggcatggt aattttttacc aaaactgaag ctggtaattt taagtaaagc    2160
aactaaattt acccttttact tattagttaa aaggaaacca aggcatgtag gaaaatattg    2220
gtacgttgga aaatgtgaaa agagctttac tttcaaaatg tatgtttaat gaattgaatt    2280
ttagggaccg ttccaaataa tttgggccta tgatatcatg tgtattttta tgtctagctt    2340
aaaaggtatt tgaaaatgtt ccatttgtgt tttattattt tctgtcctat gacagttcta    2400
tgctaaatgt attttaaaat aaaagccaaa ttgaagatta aagaaggttt tgctttg       2457
```

```
<210> 11653
<211> 669
<212> DNA
<213> Homo sapiens

<400> 11653
attttttattt tattttgtag ctttctttac aagtagtgtt tattaaatat atatttcagg     60
gacaacataa aaatgaattc agtggaatga atagaattta aaagcaaaat ttccctcacc    120
ctccctgtca ttcattccct taaaggcaaa ttttaacaga gcattcaata aagataagta    180
aatactaaag tggtttttta aaatatataa tcacaaaaat ttttaaaggc tactcaagtg    240
aagcagtggg agtggagaaa gatatgatca cacaatttta tatgacaaag atttcttatt    300
ggtaaacaat tttgttctcg ttaacaagga atgtttattc tagatttaaa acctaacgtg    360
gccaagtgtg gtggttcatg cctgtaatcc cagccggcca gtaaatgtt taatctggac    420
atcagtaagg atcagttttt aacattttac tttatagctg cattagattt tctgaagagg    480
gtttttgttg tttgataagg ttttttaaga aagggaagag gtagcagttt gagaaaaagt    540
aattagtaga tattactgtg ctgggtattt tctcgttatt tgatcaagtt cttccattcc    600
ttttgaaata tatatgtaag ttaaaaagaa aaaacttggc cagtcgcggt ggctcacgcc    660
tgtaatcca                                                            669
```

```
<210> 11654
<211> 5062
<212> DNA
<213> Homo sapiens

<400> 11654
cgagattact gaattttaca agcttgacat tttctattgg ctttataagc tcttctcatg     60
tttttattac cctcacatcc aatccgttcg agctacacgc taaatcaaat tggtatttta    120
tattttttatt tttttagagg caggatctcg ctctgtcacc caggcaggag tgcagtggca    180
cagtcatggc tcgctgcagc cttgacctcg cctcagcctc cccagtagct gggaccacag    240
gctcatgcca cgcacgcccg gctgaagcta gtttttaactg aagaaaactc aaagtgttct    300
ctcgccgtta acctttatta ttgaggcatt ggctctgcta taggaaaacg aggtgacgtt    360
aatgtcggtg gttgacatta accactggca agtgacagtg tggctccttg acaagtggtt    420
gctgctcata aatgtcatga aacaaaaaca ctgattttag agaagtggga ttctacagtt    480
aatatcgcca gcaaactttt attaagctct cactctgtgc caaacacatg cttgaagttg    540
gggtgaatct gtgaccatta agatgttggc tgttcatggg cacgttatca agcaactggg    600
gtgtgagagc gaatgataag agggtgaatc tggatgagga gggacttcca gggcacaggt    660
ggaggagagg cattgcagcc atagagaggc ccaagggaac agtcaagaca aggcggggac    720
agtggccagg aggcgagggc agcacttcct gggcagggaa ggcttgccag ggagaccaga    780
ctcctgtctc tgtttggaaa gaaaaggaac cgcactgggg gtcagggagg ctaggcacgg    840
caccagcctg ggatgccagt cccgcctgag ·gggccaaggc aaaggggaag cattcacaga    900
ccccacacca ggctctgacg ccaagtggaa gaagagggag atagaagcag aagcctgggc    960
ttccaggcct ggttcctggg cgggtgttga tgggacccag ggagagtcct gtggggatac   1020
tttgggtctg ggctggcagg ggctctggaa ggagaggcat ggaggtgcga acctggtgcc   1080
caggtggagg tgcagtgggg gtaaggtggc caggctgcag accctgcat cagaatgcct   1140
gcgaagctgt gggttttttg tttgtttgtt tgttttattt cgagacaggg tgtcactctg   1200
tcgcccagac tggagtgcag tagcgccgtc tcggctcact gcaagctccg cctcccagga   1260
tcaagtgatt ctcctgcctc agcctcccga gtagctggat ttacagatgc atgccaccac   1320
gcccagctaa tttttttgtat ttttagtaga acgaggtttt caccacgttg gccaggctgg   1380
tctcaaactc ctgacctcaa atgatccacc tgcctcgtcc tcccaagtgc tggaattaca   1440
ggtgtgagcc gcaccagcct gttttttttaat tttatttaga gacagggtct cactctgttg   1500
cccagactgg agtgcagtgg tgtaatcttg gctcactgca gcctcaactt ccagcgctaa   1560
agcaatcctc ccacctctgc ctcccgagta actgggacta cacacgcatg ccactacacc   1620
```

```
caggtaattt ttaaaaattt tttttagaga cagagcttct ccatgttgcc caggctagcc    1680
tcaaactcct gggctccagt gaccctcccg ccttagtgtc tcaaagtgct gggattacag    1740
gtatgagcca ccacgcccgg tcagaagctg tgtttttaag tggacatacc atcttgtcct    1800
gctgaagtat ctccatgtaa tcacaatatc tatgtcaccc aaatctcctc cttcctcctc    1860
cctcccccaa aacaccccca caggcatgca taccctccca tgcgctggag cagaatctc     1920
ccaaggggag ctggccagga gaggtgtccc tgagttcaga tggaggtgga agccagagtg    1980
gggctgggac cacccagtga catgaggatg gggcttggga taaagccctg gggacactga    2040
catttaaagt gtggacagaa ggagctactg aaggcaatgg atttagaaaa gcaattgagt    2100
atgatttcct tcttcaagaa aggctgtcca actagctctc acttcctctc gtgtgttcag    2160
tgtcacccgg aagcagagtt taatgtgact aaagtcaaca ttggctcaca ctgtcaggga    2220
gtgtgggaag atgagtaagg actcatcgca gggcgatacc cacagcttaa aataggcacc    2280
ttcccctccc aggtctggtt agggcagttg ttacatatga ggggcgtgga gttttgtctt    2340
gtattttggc cttgttggta aagcattcca aagcttcgac acaccctcct ttcagcccat    2400
taggaaaggc tgttgattgt aatattcaca cagctccctg ggctatggtt aagagccttg    2460
cagaaggact gggagaagcc ctgtgtgttt gaagtattgt agcatcagaa aaaaacaccg    2520
gaagaaggca ggtgggggaca aggtgcctat gtctgctcct tggaattcct ttccttactg    2580
tccgaggcaa ctacagggaa agcaaagcgt gagcccccaa atccacacct gggaggaacg    2640
ttccccttg caaggcatgg gactggctgg ccctgtgtct cacggggggct ctgagttttg    2700
aggtcacact agcctcctga ggcctggctg agagggctgg gttgggggtc aggaggcccc    2760
ctgtagccac gaagctcctc tggggcattg ttaaaggttc accctctttt ttgtgggtat    2820
cctggaagat ctcaagaaac tgagcttgga agaagagagg ctgagagggt ctcccgccgc    2880
ctgcgttctc tgcagctatg gccccacagc ctccagtgac catggagggg aaggtgccac    2940
ccgccttggc tgctgaaagg gtgatgctct tatgcctgag tcttggctcc tgtggtcctg    3000
cagagaccct gtggggggccg cccggtcgtc acctgcactc atcttgggtt ttccttcctt    3060
ttccaccctа agctgaaggt attttttttcc tgttttcttc actctaactt ggggaagaag    3120
gaagatcctt tatggaaaag aaaaaaaaaa aagcaccttt gaacgtcctg caacttgagt    3180
ttcaagcttt cagaaggatt cggtgctgct ggcctgctca gacctccgcc tgggctgtgg    3240
agttcctcct gttggcccct cctctctgta ccacaaaagc tctaggcggc ccagccaccc    3300
ctgtgaaagc ggcgcccgta gccagacgcc aaggctgccg tcccgagccg agggtggcac    3360
cttgcccagc gcacgtgcat tctcctgtgg gaactcggag ggcatgtggt gagcagtctc    3420
ctgtcagttg aggtggaggc tcccggccca tctttgctct cctcaggctg cccagctcct    3480
ggcggcacat ggtggcctgg caaagctgac ttggcctcct cagttcccca cccatccgcg    3540
gatcatcgcc ttccctagcc acctctctct atagccaccg acatctgcgg agcgtcacag    3600
actggttctg agctgtggtt tacaaattca acccaacaca gagtgaattc aaatttgctt    3660
ttggaacagc ctttatctcc aattaagtgc aagtatattt acactatgtg atattaaagg    3720
acttctccaa tgactgggag gtactgaacc aagatgtttg taaagaaacg gtggggtgag    3780
gtggttaggt agaatatacc gtcctggcca tttctcttcc ttcaggcgag taagcgctcc    3840
ttcagcagaa aggctgcgga ttgctggctg tgctctgtgg actgggccag taggtgtggc    3900
ccaggtccag gtcctggcac ctctgctgag tgcccagcct gagatgacac atgccatcct    3960
ggagagaagc agagaggggtg ctgtctccag gcgttctcca gacagcctgg gcctggcttg    4020
ctgagccagc tgcaggaggg gatctcctga ctggggcttg ggaccagatc tgctgcagag    4080
aggcaataac tctgtctaaa aagaaaactt gtcccgtgtg attacaaaaa caggaaaagg    4140
ctccaagcta ggaaatgaga tttgaggtat ggagaacatt ctcacctgat ggaagcatcc    4200
tgttcctgta caggaggagg agctggtgca agccctaggc cacatatgtc acagttgttt    4260
tggaccctcc gtagctttta tactcataaa atattaaagt tgcccctttc atatttgggt    4320
cattgaaaga gcccaccgta ctctaggttc ctgctcacta tgcacaacat ctcagaagat    4380
ggcgtacaaa actatttttc taactatagc acaggtaatg tgggggtggg gaggcttggg    4440
atatacctaa atgtggcaaa tgatttatct tccaccttga gggatgaaaa ggaaactatg    4500
cacttgaatt ttaattaaaa ttttaattta attcattgga tagcttgtgc cagaaagaac    4560
agtcaatatt caagaagcaa aactgacgat tagctcagtt tcgggcctcc ctgtcggggg    4620
agttttcttg tctggaacac aaacacctac aagtagagtg tgagctggtt cttgacaatc    4680
agatctcatc aacccttttga aatgttctgg gcagcacagc tccttggtct gcatggttgg    4740
tgtaagtata atcaagtagt gaaattgtat ggtatatacc tatatgccaa cagtgtacac    4800
ccgtatgtgc agaatttgct aatataacca tttcaataaa aacctattga aaaagctgat    4860
ttgaccacat ggagtattgt tggtggtgac gtgtatcact gaggactctc ttggttacaa    4920
atgacagaaa acccagccaa aactggctaa cacaaagggg gaatgtcatg gctcccaaaa    4980
gccaaaatgc ccaggggtgc ctatgtcagg cttggtgtga tttcaccctc aaatgctgac    5040
accaagacac atgccaactt tg                                              5062
```

<210> 11655

```
cgagattact gaattttaca agcttgacat tttctattgg ctttataagc tcttctcatg      60
ttttattac cctcacatcc aatccgttcg agctacacgc taaatcaaat tggtatttta       120
tattttatt tttttagagg caggatctcg ctctgtcacc caggcaggag tgcagtggca       180
cagtcatggc tcgctgcagc cttgacctcg cctcagcctc cccagtagct gggaccacag       240
gctcatgcca cgcacgcccg gctgaagcta gttttaactg aagaaaactc aaagtgttct       300
ctcgccgtta accttattta ttgaggcatt ggctctgcta taggaaaacg aggtgacgtt       360
aatgtcggtg gttgacatta accactggca agtgacagtg tggctccttg acaagtggtt       420
gctgctcata aatgtcatga aacaaaaaca ctgattttag agaagtggga ttctacagtt       480
aatatcgcca gcaaactttt attaagctct cactctgtgc ccaaacatgc ttgaagttgg       540
ggtgaatctg tgaccattaa gatgttggct gttcatgggc acgttatcaa gcaactgggg       600
tgtgagagcg aatgataaga gggtgaatct ggatgaggag ggacttccag ggcacaggtg       660
gaggagaggc attgcagcca tagagaggcc caagggaaca gtcaagacaa ggcggggaca       720
gtggccagga ggcgagggca gcacttcctg ggcagggaag gcttgccagg gagaccagac       780
tcctgtctct gtttggaaag aaaaggaacc gcactggggg tcagggaggc taggcacggc       840
accagcctgg gatgccagtc ccgcctgagg ggccaaggca aaggggaagc attcacagac       900
cccacaccag gctctgacgc caagtggaag aagagggaga tagaagcaga agcctgggct       960
tccaggcctg gttcctgggc gggtgttgat gggacccagg gagagtcctg tggggatact      1020
ttgggtctgg gctggcaggg gctctggaag gagaggcatg gaggtgcgaa cctggtgccc      1080
aggtggaggt gcagtggggg taaggtggcc aggctgcaga cccctgcatc agaatgcctg      1140
cgaagctgtg ggtttattgt ttgtttgttt gttttatttc gagacagggt gtcactctgt      1200
cgcccagact ggagtgcagt agcgccgtct cggctcactg caagctccgc ctcccaggat      1260
caagtgattc tcctgcctca gcctcccgag tagctggatt tacagatgca tgccaccacg      1320
cccagctaat ttttgtatt ttagtagaa acgaggtttc accacgttgg ccaggctggt       1380
ctcaaactcc tgacctcaaa tgatccacct gcctcgtcct cccaagtgct ggaattacag      1440
gtgtgagccg caccagcctg ttttttaatt ttatttagag acagggtctc actctgttgc      1500
ccagactgga gtgcagtggt gtaatcttgg ctcactgcag cctcaacttc cagcgctaaa      1560
gcaatcctcc cacctctgcc tcccgagtaa ctgggactac acacgcatgc cactacaccc      1620
aggtaatttt taaaatttt ttttagagac agagcttctc catgttgccc aggctagcct       1680
caaactcctg ggctccagtg accctcccgc cttagtgtct caaagtgctg ggattacagg      1740
tatgagccac cacgcccggt cagaagctgt gttttttaagt ggacatacca tcttgtcctg      1800
ctgaagtatc tccatgtaat cacaatatct atgtcaccca aatctcctcc ttcctcctcc      1860
ctcccccaaa acacccccac aggcatgcat accctcccat gcgctggagg cagaatctcc      1920
caaggggagc tggccaggag aggtgtccct gagttcagat ggaggtggaa gccagagtgg      1980
ggctgggacc acccagtgac atgaggatgg ggcttgggat aaagccctgg ggacactgac      2040
atttaaagtg tggacagaag gagctactga aggcaatgga tttagaaaag caattgagta      2100
tgatttcctt cttcaagaaa ggctgtccaa ctagctctca cttcctctcg tgtgttcagt      2160
gtcacccgga agcagagttt aatgtgacta aagtcaacat tggctcacac tgtcagggag      2220
tgtgggaaga tgagtaagga ctcatcgcag ggcgataccc acagcttaaa ataggcacct      2280
tcccctccca ggtctggtta gggcagttgt tacatatgag gggcgtggag ttttgtcttg      2340
tattttggcc ttgttggtaa agcattccaa agcttcgaca caccctcctt tcagcccatt      2400
aggaaaggct gttgattgta atattcacac agctccctgg gctatggtta agagccttgc      2460
agaaggactg ggagaagccc tgtgtgtttg aagtattgta gcatcagaaa aaaacaccgg      2520
aagaaggcag gtggggacaa ggtgcctatg tctgctcctt ggaattcctt tccttactgt      2580
ccgaggcaac tacagggaaa gcaaagcgtg agcccccaaa tccacacctg ggaggaacgt      2640
tcccctttgc aaggcatggg actggctggc cctgtgtctc acggggctc tgagttttga       2700
ggtcacacta gcctcctgag gcctggctga gagggctggg ttgggggtca ggaggccccc      2760
tgtagccacg aagctcctct ggggcattgt taaaggttca ccctctttt tgtgggtatc       2820
ctggaagatc tcaagaaact gagctgggaa gaagagaggc tgagagggtc tcccgccgcc      2880
tgcgttctct gcagctatgg ccccacagcc tccagtgacc atggagggga aggtgccacc      2940
cgccttggct gctgaaaggg tgatgctctt atgcctgagt cttggctcct gtggtcctgc      3000
agagaccctg tggggccgc ccggtcgtca cctgcactca tcttgggttt tccttccttt       3060
tccaccctaa gctgaaggta ttttttcct gttttcttca ctctaacttg gggaagaagg       3120
aagatccttt atggaaaaga aaaaaaaaaa agcacctttg aacgtcctgc aacttgagtt      3180
tcaagctttc agaaggattc ggtgctgctg gcctgctcag acctccgcct gggctgtgga      3240
gttcctcctg ttggcccctc ctctctgtac cacaaaagct ctaggcggcc cagccacccc      3300
tgtgaaagcg cgcccgtag ccagacgcca aggctgccgt cccgagccga gggtggcacc       3360
```

```
ttgcccagcg cacgtgcatt ctcctgtggg aactcggagg gcatgtggtg agcagtctcc   3420
tgtcagttga ggtggaggct cccggcccat ctttgctctc ctcaggctgc ccagctcctg   3480
gcggcacatg gtggcctggc aaagctgact tggcctcctc agttccccac ccatccgcgg   3540
atcatcgcct tccctagcca cctctctcta tagccaccga catctgcgga gcgtcacaga   3600
ctggttctga gctgtggttt acaaattcaa cccaacacag agtgaattca aatttgcttt   3660
tggaacagcc tttatctcca attaagtgca agtatattta cactatgtga tattaaagga   3720
cttctccaat gactgggagg tactgaacca agatgtttgt aaagaaacgg tggggtgagg   3780
tggttaggta gaatataccg tcctggccat ttctcttcct tcaggcgagt aagcgctcct   3840
tcagcagaaa ggctgcggat tgctggctgt gctctgtgga ctgggccagt aggtgtggcc   3900
caggtccagg tcctggcacc tctgctgagt gcccagcctg agatgacaca tgccatcctg   3960
gagagaagca gagagggtgc tgtctccagg cgttctccag acagcctggg cctggcttgc   4020
tgagccagct gcaggagggg atctcctgac tggggcttgg gaccagatct gctgcagaga   4080
ggcaataact ctgtctaaaa agaaaacttg tcccgtgtga ttacaaaaac aggaaaaggc   4140
tccaagctag gaaatgagat ttgaggtatg gagaacattc tcacctgatg gaagcatcct   4200
gttcctgtac aggaggagga gctggtgcaa gccctaggcc acatatgtca cagttgtttt   4260
ggaccctccg tagctttat actcataaaa tattaaagtt gcccctttca tatttgggtc   4320
attgaaagag cccaccgtac tctaggttcc tgctcactat gcacaacatc tcagaagatg   4380
gcgtacaaaa ctattttct aactatagca caggtaatgt gggggtgggg aggcttggga   4440
tatacctaaa tgtggcaaat gatttatctt ccaccttgag ggatgaaaag gaaactatgc   4500
acttgaattt taattaaaat tttaattttaa ttcattggat agcttgtgcc agaaagaaca   4560
gtcaatattc aagaagcaaa actgacgatt agctcagttt cgggcctccc tgtcggggga   4620
gttttcttgt ctggaacaca aacacctaca agtagagtgt gagctggttc ttgacaatca   4680
gatctcatca accctttgaa atgttctggg cagcacagct ccttggtctg catggttggt   4740
gtaagtataa tcaagtagtg aaattgtatg gtatatacct atatgccaac agtgtacacc   4800
cgtatgtgca gaatttgcta atataaccat ttcaataaaa acctattgaa aaagctgatt   4860
tgaccacatg gagtattgtt ggtggtgacg tgtatcactg aggactctct tggttacaaa   4920
tgacagaaaa cccagccaaa actggctaac acaaaagggg aatgtcatgg ctcccaaaag   4980
ccaaaatgcc caggggtgcc tatgtcaggc ttggtgtgat ttcaccctca aatgctgaca   5040
ccaagacaca tgccaacttt g                                              5061


<210> 11656
<211> 5063
<212> DNA
<213> Homo sapiens

<400> 11656
cgagattact gaatttaca agcttgacat tttctattgg ctttataagc tcttctcatg     60
ttttattac cctcacatcc aatccgttcg agctacacgc taaatcaaat tggtatttta    120
tatttttatt tttttagagg caggatctcg ctctgtcacc caggcaggag tgcagtggca    180
cagtcatggc tcgctgcagc cttgacctcg cctcagcctc cccagtagct gggaccacag    240
gctcatgcca cgcacgcccg gctgaagcta gttttaactg aagaaaactc aaagtgttct    300
ctcgccgtta acctttatta ttgaggcatt ggctctgcta taggaaaacg aggtgacgtt    360
aatgtcggtg gttgacatta accactggca agtgacagtg tggctccttg acaagtggtt    420
gctgctcata aatgtcatga aacaaaaaca ctgattttag agaagtggga ttctacagtt    480
aatatcgcca gcaaactttt attaagctct cactctgtgc caaacacatg cttgaagttg    540
gggtgaatcc gtgaccatta agatgttggc tgttcatggg cacgttatca agcaactggg    600
gtgtgagagc gaatgataag agggtgaatc tggatgagga gggacttcca gggcacaggt    660
ggaggagagg cattgcagcc atagagaggc ccaagggaac agtcaagaca aggcggggac    720
agtggccagg aggcgagggc agcacttcct gggcagggaa ggcttgccag ggagaccaga    780
ctcctgtctc tgtttggaaa gaaaaggaac cgcactgggg gtcagggagg ttaggcacgg    840
caccagcctg ggatgccagt cccgcctgag gggccaaggc aaaggggaag cattcacaga    900
ccccacacca ggctctgacg ccaagtggaa gaagagggag atagaagcag aagcctgggc    960
ttccaggcct ggttcctggg cgggtgttga tgggacccag ggagagtcct gtggggatac   1020
tttgggtctg ggctggcagg ggctctggaa ggagaggcat ggaggtgcga acctggtgcc   1080
caggtggagg tgcagtgggg gtaaggtggc caggctgcag acccctgcat cagaatgcct   1140
gcgaagctgt gggttttttg tttgtttgtt tgttttattt cgagacaggg tgtcactctg   1200
tcgcccagac tggagtgcag gagcgccgtc tcggctcact gcaagctccg cctcccagga   1260
tcaagtgatt ctcctgcctc agcctcccga gtagctggat ttacagatgc atgccaccac   1320
gcccagctaa tttttttgtat ttttagtaga aacgaggttt caccacgttg gccaggctgg   1380
tctcaaactc ctgacctcaa atgatccacc tgcctcgtcc tcccaaagtg ctggaattac   1440
```

10245

```
aggtgtgagc cgcaccagcc tgttttttaa ttttatttag agacagggtc tcactctgtt    1500
gcccagactg gagtgcagtg gtgtaatctt ggctcactgc agcctcaact tccagcgcta    1560
aagcaatcct cccacctctg cctcccgagt aactgggact acacacgcat gccactacac    1620
ccaggtaatt tttaaaaatt ttttttagag acagagcttc tccatgttgc ccaggctagc    1680
ctcaaactcc tgggctccag tgaccctccc gccttagtgt ctcaaagtgc tgggattaca    1740
ggtatgagcc accacgcccg gtcagaagct gtgtttttaa gtggacatac catcttgtcc    1800
tgctgaagta tctccatgta atcacaatat ctatgtcacc caaatctcct ccttcctcct    1860
ccctccccca aaacaccccc acaggcatgc ataccctccc atgcgctgga ggcagaatct    1920
cccaagggga gctggccagg agaggtgtcc ctgagttcag atggaggtgg aagccagagt    1980
ggggctggga ccacccagtg acatgaggat ggggcttggg ataaagccct ggggacactg    2040
acatttaaag tgtggacaga aggagctact gaaggcaatg gatttagaaa agcaattgag    2100
tatgatttcc ttcttcaaga aaggctgtcc aactagctct cacttcctct cgtgtgttca    2160
gtgtcacccg gaagcagagt ttaatgtgac taaagtcaac attggctcac actgtcaggg    2220
agtgtgggaa gatgagtaag gactcatcgc agggcgatac ccacagctta aaataggcac    2280
cttcccctcc caggtctggt tagggcagtt gttacatatg aggggcgtgg agttttgtct    2340
tgtattttgg ccttgttggt aaagcattcc aaagcttcga cacaccctcc tttcagccca    2400
ttaggaaagg ctgttgattg taatattcac acagctccct gggctatggt taagagcctt    2460
gcagaaggac tgggagaagc cctgtgtgtt tgaagtattg tagcatcaga aaaaaacacc    2520
ggaagaaggc aggtggggac aaggtgccta tgtctgctcc ttggaattcc tttccttact    2580
gtccgaggca actacaggga aagcaaagcg tgagccccca aatccacacc tgggaggaac    2640
gttccccttt gcaaggcatg ggactggctg ccctgtgtc tcacgggggc tctgagtttt    2700
gaggtcacac tagcctcctg aggcctggct gagagggctg ggttggggt caggaggccc    2760
cctgtagcca cgaagctcct ctggggcatt gttaaaggtt caccctcttt tttgtgggta    2820
tcctggaaga tctcaagaaa ctgagcttgg aagaagagag gctgagaggg tctcccgccg    2880
cctgcgttct ctgcagctat ggccccacag cctccagtga ccatggaggg gaaggtgcca    2940
cccgccttgg ctgctgaaag ggtgatgctc ttatgcctga gtcttggctc ctgtggtcct    3000
gcagagaccc tgtggggggcc gcccggtcgt cacctgcact catcttgggt tttccttcct    3060
tttccaccct aagctgaagg tattttttttc ctgttttctt cactctaact tggggaagaa    3120
ggaagatcct ttatggaaaa gaaaaaaaaa aaagcacctt tgaacgtcct gcaacttgag    3180
tttcaagctt tcagaaggat tcggtgctgc tggcctgctc agacctccgc ctgggctgtg    3240
gagttcctcc tgttggcccc tcctctctgt accacaaaag ctctaggcgg cccagccacc    3300
cctgtgaaag cggcgcccgt agccagacgc caaggctgcc gtcccgagcc gagggtggca    3360
ccttgcccag cgcgcgtgca ttctcctgtg ggaactcgga gggcatgtgg tgagcagtct    3420
cctgtcagtt gaggtggagg ctcccggccc atctttgctc tcctcaggct gcccagctcc    3480
tggcggcaca tggtggcctg gcaaagctga cttggcctcc tcagttcccc acccatccgc    3540
ggatcatcgc cttccctagc cacctctctc tatagccacc gacatctgcg gagcgtcaca    3600
gactggttct gagctgtggt ttacaaattc aacccaacac agagtgaatt caaatttgct    3660
tttggaacag ccttttatctc caattaagtg caagtatatt tacactatgt gatattaaag    3720
gacttctcca atgactggga ggtactgaac caagatgttt gtaaagaaac ggtggggtga    3780
ggtggttagg tagaatatac cgtcctggcc atttctcttc cttcaggcga gtaagcgctc    3840
cttcagcaga aaggctgcgg attgctggct gtgctctgtg gactgggcca gtaggtgtgg    3900
cccaggtcca ggtcctggca cctctgctga gtgcccagcc tgagatgaca catgccatcc    3960
tggagagaag cagagagggt gctgtctcca ggcgttctcc agacagcctg ggcctggctt    4020
gctgagccag ctgcaggagg ggatctcctg actggggctt gggaccagat ctgctgcaga    4080
gaggcaataa ctctgtctaa aaagaaaact tgtcccgtgt gattacaaaa acaggaaaag    4140
gctccaagct aggaaatgag atttgaggta tggagaacat tctcacctga tggaagcatc    4200
ctgttcctgt acaggaggag gagctggtgc aagccctagg ccacatatgt cacagttgtt    4260
ttggaccctc cgtagctttt atactcataa aatattaaag ttgccccttt catatttggg    4320
tcattgaaag agcccaccgt actctaggtt cctgctcact atgcacaaca tctcagaaga    4380
tggcgtacaa aactattttt ctaactatag cacgggtaat gtgggggtgg ggaggcttgg    4440
gatataccta aatgtggcaa atgatttatc ttccaccttg agggatgaaa aggaaactat    4500
gcacttgaat tttaattaaa attttaattt aattcattgg atagcttgtg ccagaaagaa    4560
cagtcaatat tcaagaagca aaactgacga ttagctcagt ttcgggcctc cctgtcgggg    4620
gagtttttctt gtctggaaca caaacaccta caagtagagt gtgagctggt tcttgacaat    4680
cagatctcat caaccctttg aaatgttctg ggcagcacag ctccttggtc tgcatggttg    4740
gtgtaagtat aatcaagtag tgaaattgta tggtatatac ctatatgcca acagtgtaca    4800
cccgtatgtg cagaatttgc taatataacc atttcaataa aaacctattg aaaaagctga    4860
tttgaccaca tggagtattg ttggtggtga cgtgtatcac tgaggactct cttggttaca    4920
aatgacagaa aacccagcca aaactggcta acacaaaagg ggaatgtcat ggctcccaaa    4980
agccaaaatg cccaggggtg cctatgtcag gcttggtgtg atttcaccct caaatgctga    5040
caccaagaca catgccaact ttg                                          5063
```

<210> 11657
<211> 133
<212> DNA
<213> Homo sapiens

<400> 11657
tttttttttt ttgagacgga gtctcactct gctgcccagg ctgaagttgc agtggcgtga   60
tctcggctca ctgcaacctc cacctcccgg gttcaagcaa ttctcctgcc tcagcctccc   120
gagtagctgg gac   133

<210> 11658
<211> 282
<212> DNA
<213> Homo sapiens

<400> 11658
cgctttggtg attttttttt tttttgagac ggagtcttgc tctgtcaccc aggctggagt   60
gcagtggcgc gatcttggct cactgcaact tccgcctccc gggttcacac catcctcctg   120
cctcagcctc ccgagcagct gggactacag gcacctgcca cgacgcccag ctaattttttt   180
gtatttttag tagagatggg gttttactgt gttagccagg ctggtctcga tctcctgacc   240
tcgtgatccg cctgccttgg cctcccaaag tgctgggatt ac   282

<210> 11659
<211> 133
<212> DNA
<213> Homo sapiens

<400> 11659
tttttttttt ttgagacgga gtctcactct gctgcccagg ctgaagttgc agtggcgtga   60
tctcggctca ctgcaacctc cacctcccgg gttcaagcaa ttctcctgcc tcagcctccc   120
gagtagctgg gac   133

<210> 11660
<211> 246
<212> DNA
<213> Homo sapiens

<400> 11660
tttttttttt ttttgagacg gagtcttgct ctgtcaccca ggctggagtg cagtggcgcg   60
atcttggctc actgcaactt ccgcctcccg ggttcacacc atcctcctgc ctcagcctcc   120
cgagcagctg ggactacagg cacctgccac gacgcccagc taattttttg tatttttagt   180
agagatgggg ttttactgtg ttagccaggc tggtctcgat ctcctgacct cgtgatccgc   240
ctgcct   246

<210> 11661
<211> 115
<212> DNA
<213> Homo sapiens

<400> 11661
ttttgtatt tttagtagag acggggtttc accgtgttag ccaggatggt cttgatctcc   60
taaccttgtg atctgcccac ctcggcctcc caaagtgctg gggttacagg cgtga   115

<210> 11662

<211> 1585
<212> DNA
<213> Homo sapiens

<400> 11662
```
cccgcttcag gagaaactgt atgtgccatc ccttttctca gagcattatg cacagataat      60
tgtgtaactg catgaaacat atattaaaat taggtcagaa gtaaagtatg gttggaattt     120
gggtatgcgt ctgccacttg tctgtgtctc aagcacttaa aaacatatcc tattcctggc     180
acagttcagt gcatttcggg aagtgaccaa tagtcaggga aataatcaag gtttctggaa     240
caaaatgcaa gagttggcct gagatcactg ctctacctag agaggagtag ggcaaggcca     300
gtctgggcca tgattcagag taaggatgac tgacccagcc acaggggagg acagtgccca     360
ggacctgtgt actcctatgt tcccaatgcc taagagtgcc cagcccatgg aaagtgttca     420
gtgaatttaa tgaataaatg attctacaga aatgggcacg gggaaggaga aagggcctgc     480
agtcttttat ttttatttta ttattttttt tttgagatgg agtctcgcac tgtcgcccgg     540
gctggagtgc agtggccaca atcttggctc actgcaacct ccaccttcca ggttaaagcg     600
attctcctgc ctcagcctcc caagtagctg ggattacagg cgcccgccaa ccacgcccgg     660
ctaatttttt gtatttttag tagagatggg gtttcactat gttggccagg ctggtctcga     720
atgcctgacc tcatgatccg cctgtcttgg cctcccaaag tgctgggatt acaggcgtga     780
gccactcgcc cggccggtct tttattcttc atacaagtgt ccttcctgca catcccagag     840
ctatctaaga cccattctga tcatcactaa tgccagttcc ctcttctgta aggggcagta     900
acacccctgg tgctgcctac ctcacaggat tgtcctgaga gaccagcgag attctgcatg     960
tgaaggggct ttctctgaat agtgaagttc tacaatgtga ctcatctttg cggaccctgt    1020
cctccacgtg agggtgggag acctctgctc attgccattt cttttcagat tctgcagtgt    1080
taagttggaa ggtttccacg gaagccacat tattattaca taggaagtga catcactttc    1140
cagcttgttt tggggggcca aaatcttgct atgttcttgg ccagcacctc agtttccatc    1200
ctccttccaa cccattgtct ttctttgtaa ctctgcctaa caggtctggg aggtccaact    1260
ttgactgagg atgttacctt cccctcccca gtgctgacct cctccctcct agttacttgg    1320
cataccggga accacatcat caactcctgt gggtaaaagg tgacacatga gccataacac    1380
tgcttgcttt cccagagatg cctgggtttc caggagctgc cacatcactc ttcctctttt    1440
gcatcttaat gttggcagtg ggaaagagtt agaggtggat tcctggaccc agtctggcct    1500
gcattatttc agcatgtgga atagaggtca ctaaccggtg tgccacaggc tagtctcagc    1560
ttgcaaatgt attttgtcca cataa                                         1585
```

<210> 11663
<211> 1585
<212> DNA
<213> Homo sapiens

<400> 11663
```
cccgcttcag gagaaactgt atgtgccatc ccttttctca gagcattatg cacagataat      60
tgtgtaactg catgaaacat atattaaaat taggtcagaa gtaaagtatg gttggaattt     120
gggtatgcgt ctgccacttg tctgtgtctc aagcacttaa aaacatatcc tattcctggc     180
acagttcagt gcatttcggg aagtgaccaa tagtcaggga aataatcaag gtttctggaa     240
caaaatgcaa gagttggcct gagatcactg ctctacctag agaggagtag ggcaaggcca     300
gtctgggcca tgattcagag taaggatgac tgacccagcc acaggggagg acagtgccca     360
ggacctgtgt actcctatgt tcccaatgcc taagagtgcc cagcccatgg aaagtgttca     420
gtgaatttaa tgaataaatg attctacaga aatgggcacg gggaaggaga aagggcctgc     480
agtcttttat ttttatttta ttatttttaa aattgagatg gagtctcgca ctgtcgcccg     540
ggctggagtg cagtggccac aatcttggct cactgcaacc tccaccttcc aggttaaagc     600
gattctcctg cctcagcctc ccaagtagct gggattacag gcgcccgcca accacgcccg     660
gctaattttt tgtattttta gtagagatgg ggtttcacta tgttggccag gctggtctcg     720
aatgcctgac ctcatgatcc gcctgtcttg gcctcccaaa gtgctgggat tacaggcgtg     780
acgactcgcc cggccggtct tttattcttc atacaagtgt ccttcctgca catcccagag     840
ctatctaaga cccattctga tcatcactaa tgccagttcc ctcttctgta aggggcagta     900
acacccctgg tgctgcctac ctcacaggat tgtcctgaga gaccagcgag attctgcatg     960
tgaagggtct ttctctgaat agtgaagttc tacaatgtga ctcatctttg cggaccctgt    1020
cctccacgtg agggtgggag acctctgctc attgccattt cttttcagat tctgcagtgt    1080
taagttggaa ggtttccacg gaagccacat tattattaca taggaagtga catcactttc    1140
cagcttgttt tggggggcca aaatcttgct atgttcttgg ccagcacctc agtttccatc    1200
ctccttccaa cccattgtct ttctttgtaa ctctgcctaa caggtctggg aggtccaact    1260
```

```
ttgactgagg atgttacctt cccctcccca gtgctgacct cctccctcct agttacttgg      1320
cataccggga accacatcat caactcctgt gggtaaaagg tgacacatga gccataacac      1380
tgcttgcttt cccagagatg cctgggtttc caggagctgc cacatcactc ttcctctttt      1440
gcatcttaat gttggcagtg ggaaagagtt agaggtggat tcctggaccc agtctggcct      1500
gcattatttc agcatgtgga atagaggtca ctaaccggtg tgccacaggc tagtctcagc      1560
ttgcaaatgt attttgtcca cataa                                            1585


<210> 11664
<211> 102
<212> DNA
<213> Homo sapiens

<400> 11664
tacctgtaat cccagctact tgggaggctg aggcaggaga atcgcttgaa cccaggaggc       60
aaaggttgca gtgagcccag attgcaccac tgcactccag cc                         102


<210> 11665
<211> 391
<212> DNA
<213> Homo sapiens

<400> 11665
tttttttttt aattaattgc caacacttta aacactggag agttcatata aaaatctgga       60
tgtctagcac ctcttgagaa ctcggcatat gtggccacag tgggtccaca atttctgcac      120
agcagcaaat gaggagacgc agtgcatgtg gcactctcca ggtggccacc ctcagccact      180
cacatgcata ttcgtttctg tggcccactg ctgaagaaag gccactgcgg ggcatggtgc      240
catgtacctg taatcccagc tacttgggag gctgaagtgg gaggatcact tgaacctggg      300
aggccaaagt taaagtgagc catgatcgta tcaccacact gcagcctggg tgacagagac      360
cctgtttcca gaaaaaaaga aaaagaaaa a                                      391


<210> 11666
<211> 419
<212> DNA
<213> Homo sapiens

<400> 11666
tgtaaagctg gtgggactgc cctagatata tctaatacat attcctgccc ctcagacaca       60
tactctaaaa catggaggca tcacaggaaa ataagtagat gaaggaaggc tgggcacggt      120
ggctcatgcc tgtaatccca gcactttgga ggcttaggcg gccgatcact tgaggtcagg      180
ggttcgagac ccgcctggcc aacatggtga aacccgtct ttacaaaaat gcaaagtatt      240
agccgggcac ggtggcatgc acctgtaatc ctggctactc aggagcctga ggtaggaaga      300
tcccttgaac ctaggaggca gaggttgcag tgagccgaga tcatgccact gcactccagc      360
ctgggcgaca gagcaaggct ctatctcaga aaaaaaaaa gtagatgaag gaaaagtaa       419


<210> 11667
<211> 1598
<212> DNA
<213> Homo sapiens

<400> 11667
gaactcctgg attcaagcaa tcctctctcc ttggcttccc aaagtgctag gattacaggc       60
gtgagcctct gcacccggcc tcagtgtgtg ctcttaattg ctacactgtg ccgccacttg      120
gcaatgtcac ggccgcttac tcttacctat gcaatcctag catgcctttc cttcttctgc      180
ttcatgctat tgagcactct ttgtcatccc acagaattca gttcagccat ttgagaaaag      240
cctttcctga ctctaacaga caagttatgc acctctttcc tgtgcttaca tagtagcctg      300
taccaacatt acatttctca ttgcattatg attgcaacat ctgggcacat ctctctagga      360
cgctcagctc tgtggaggca aactctttct cattcagttt gtatgcccag tttaacacct      420
```

10249

```
aagcgttagc acacagcaga tacttggtaa atgtttgtta gctgagtaag ggaaaaatag    480
atcttctagc catgaagttt taatagtgtt gatgtaaacc agaaggaaca tttcaaataa    540
attatgtaat tttcaataaa aaaagatata cccttgatct gtaactcaca aaaataatgt    600
attcttctga aacagtatac aacgaatgtt taattaacca tttgattaaa tggctgagta    660
ccctgggcca ataaagcaaa gtttcattaa ctcctctaat attcttaacg gaaaacctga    720
agagctgaca tatagtagta aatgaaatgt gggttggtat ctcagaccat cacaaatcac    780
ctcttaatac aacttcttat catcacttaa cttgaaatac tttcaaagat gaagacaaag    840
ggtaataaag aagtagcagg atggagttgt actcttggta taagagaaat atacagcaag    900
tcattataat acattagtta gtaacagtga cttttctaag gtttcagttg atggttattc    960
atccactact taattctttc ctcttaacaa cctaaatgaa aagtcactgc ttttaaaata   1020
acattttgtc ataactctat aaaacttttt tttttgagac ggagtcttgt tctgtcaccc   1080
aggctggagt gcagtggtgt gatctcagct cactgcaacc tccgcctcct gggttcaagc   1140
aactcctctg cctcagcctc ctgagtagct gggactacag gtgcacgctg ccatgcccag   1200
ctaatattct gtattttagt agagatgggg tttcacccgt tgtccaggct ggtcacaaac   1260
tcctgagctc aggcaatccg cccacctcgg cctcccaaag tgctgggatt acaggcgtga   1320
gccaccatgc ctgaccacat taaagctttt aacatgctaa tctgagtggt tattgatgat   1380
ggtaagatca agttcggttg ttttgtagtc attagattta atggaaataa ccattagcag   1440
agcaatgcct tgtgttggat tattcactat cccgttagta tcctttgttt tcactttgat   1500
aatacgattg ccttttattg agtagaaagg accagtatgc tcaaggagtt attgattcat   1560
agttgagatc aaaaaaagag aaaaaagaaa tgaaaaac                           1598


<210> 11668
<211> 408
<212> DNA
<213> Homo sapiens

<400> 11668
aaaaatagag gaagaagccc tttctaactc tggtcccaag gaacacctgt tgcagatgcc     60
acttagtctc aagcttagct gtcatgtcct actcataaac tcagccatct tccccttctt    120
tctcatgcca accagtatca tatgtcaggc tgaatatatc cgtgctgatg tcagagaatc    180
acataacacc agaggaaaac aaggccagcc agaatgttgc tacattttca gagaagaaaa    240
ccaaagcaaa aaggccaaaa tatagcttcc aaattttgca tattgtcatt gaaattcaag    300
gtttcagata aagtttgaaa ctcttgaggc caagtggcga gactgcaatt acgttacttt    360
ttagcagctg cagttttttt ctgaatcaag tcatctcact ttgtaaaa                 408


<210> 11669
<211> 912
<212> DNA
<213> Homo sapiens

<400> 11669
cctatctcct tacagcccgc agacacaagg taggcaataa aaaatggttt caactttttc     60
agtatttta caccaaaaga tgctgtctta caagacctct atcttttgtt tgttcctgtt    120
tttccctccc ttcctcacca ggggagagaa aaaacggaa ggaagaaag gaggaaatga    180
atcttaatga gcatctgctg tgtgctaggc acttttaaaa atacctaagg tcatcagata    240
atttacacag aacttgggtg gtagtgtgtg aaagactatg cataactgag atgattccat    300
ggcagaaaat tccaagccat ggaaaaacca catcgtattt atgatggtgc acaaaccgtg    360
atgaagaaga gcaagaggga ggaaggaagg acagatcccc tatcgaatgg caatacttga    420
ggattggggg gtaaaaccct aaatgaactt gtagattaat tcaaagccag acttactgct    480
tctatagaga gactagcaca ttgtttatat atcagaaagt cctgaattaa tttcatgctt    540
aatgccaaag gggttgccat aacctttgcc tctaagcaag gctgtctcta aataatcatc    600
atattttaa agttactcag attgcaggat ttcctttgac agcctatttc tgcttatatc    660
acttttacta tagggtgttt tgtctttatt tctgatttc taccccttc aaccaaagtg    720
tgtttctgca gcctgttct ttgtggaact aatggctttt ttttttttt tttactgaat    780
tataaatacc atgaggactt tgtatctccc acagttctca tagtaagctt tgcacagggt    840
ttatggcctg taaatatttg ttgaatgaac agtggaataa ataaataaat aatggtgata    900
taccaatata tt                                                        912
```

<210> 11670
<211> 3174
<212> DNA
<213> Homo sapiens

<400> 11670

```
acagtccttc tacctatgct ttagatccca acccctcctc cttttcccca aatcttatac      60
tatccaatgg caccaaggat agggcagtga gagcagtcta cctggttgca gtcagtaagg     120
cacacagtat ctgtagagaa cttaaaaagc aatgatgggc cgagcgtgga ggctcacgct     180
gtaattccag tactttggga ggccgaggcg ggtggatcac atgaagtcag gagttcaaga     240
ccagcctggc caacatggcg aaaccccatc tctactaaaa atacaagaat tagccgggcg     300
tggtgctgca cacctgtaat gccagctact cgggatgctg agacaggaaa attgcttgaa     360
cccaggaggc aaaggttgca gtgaagcaag atcatgccac tgtactccag cctaggccac     420
agagcaagac tccgtctcaa aaataaataa ataaataaat aaaaatataa aaagcaatga     480
tgaaaacgac aaaaaattgg tctgcttttt actaaaaagt atcactgtgt gcagcaattc     540
taaatgctgt aataaagacc tctcctgctg aggcagacag ctgcattgcc cccttggtat     600
gccgttgctg tcaggtcctc atctctatcg tacagtcatt ctctctgtct cgtacagtca     660
ctctctcagc catattcgtc cctcagcagt tcatcatgct tattactgtc tatttaaaaa     720
agaatcctcc atttacttgt cagccacttc cattttcacc ctctttgttt cctgtttcta     780
atcaaactgc tcagaactgt ctatacttaa acactatttt ctcaaatgct cacttctcag     840
cccgttttag ttccttctgg agctattgcc atctaatctc agtagtattc agcaccctgt     900
ctctcaaaac tcttattttg aatctctctt cttatcttct tttctttcat tcttgttttt     960
gttttgagca gggtctggct ctgtcgccca ggctggagtg cagtggtgtg atctgggtta    1020
attgcaacct ctgcctccca ggcgcaagtg atcctcccgc ctcaccctcc caagtagctg    1080
ggactacagg catgagctcc cacacccagc taattttgt attttttttt gtagagacag    1140
ggttttgcca tgttgtccaa gctggtattg aactactgag cttaagcaat ccaccgtct    1200
cggcctccca aagtgctggg attacaggcg tcagccacca tgtcctacct actcttctta    1260
ttttcttacc cttcacttcc tgctgctcct ggtctttctt acaggctcat ttttgtctgt    1320
taaatgttag atttctcaag ttaaggacca agacttcttg ccttctcact ccatatcagt    1380
ggttctcaaa ttgtagcaag ccctcagaat cactggaggg cttgttaata cacagactgc    1440
agggccccat tttcaggttc agagtttctg attcatctgg tccagggtga ggcctgagaa    1500
taagcatttt tgttaatttc ccaggtaatg ttgagcttgg tggtccaggg accacacttt    1560
gagaaccaat gctgtatctc tctagattat ttcagccaca cctgtgactt taattatcat    1620
ttgaatttag gtaactccta aatatgtatc ttcaacccga tctcttccga gccccgatc    1680
catagatcca actgcatact taacatctcc acttatatac cttaaaggca tcaccatttc    1740
aacatatcca aaatttaaat ttatgacttc tgcaccctgc ctctaccacc attactaacc    1800
cctccctgca tgcattctcc agaaaaccaa ctacaacatc caacctgctc ctgtgcttct    1860
agttttctct tttgagtgaa tacaacccac attcataagc ccagcaagtt acaggcttaa    1920
aagtcatcct caacgtccct gtcttccttc ccttcttttg ttaccaaccc ctatcagttt    1980
tctgtttctt cttgagccag ttttggtaaa tttaattttt tttttttttt ttttaatgag    2040
acagtccttg ctctgtcgcc aggctggagt gcagtggcgc gatctcggct cactgcaacc    2100
tccacctccc aggttcaagc gattctcctg cctcagcctc caagtagct gagactacag    2160
gcatgtgcca ccacgcccag ctaattttg tatttttagt agagacaggg tttcaccatg    2220
ttggccagga tagtctccat cacttgacct tgtgatccac ctgcctcggc ctcccaaagt    2280
gctgggatta caggtgtgag ccactgcacc cggccaaact caattttct aagaaattgt    2340
tttgtttagt tttcaaagtt atttataata ttctctttgt ttgtaaacct tctgctttat    2400
gttgcttgtc tcccttccc tcttgtcttt cttctcttct ctctctctct ctgacagatc    2460
tgtggatttg tcagttttcc atgtaattct gtcaagtttt gctttatatg ttttaaagct    2520
atgttattag gtacattcaa attaagaatt ataatcttcc ttgtaaattg tttcttcttt    2580
catgagtaac tgtgtttgtc cctatggtgt tttttttatcc taaggcttta aaaaacaaat    2640
ctaaacatag ttattagaca tcttaattct cttaaaggac acaaggactt tagaatgctt    2700
tgatgttgat caccacgaat tctttctttt cttttttttt tttttttttt tttttgaga    2760
cagagtttca ctcttgttgc ccaggctgga gtgcaatggc gtgatctcgg ctcactgcaa    2820
cctccgcctc cccagttcaa gcgattatcc tgcctcagcc tcctgcgtag ctgggattac    2880
aggcatgtgc caccatgccc ggctaatttt gtagttttag tagagacagg atttctccat    2940
gttcatcagg ctggtctcga actcctgacc tcaggtgatc cacccacctc ggcctcccaa    3000
agtgctggga ttacaggtgt gagccaccgt gcctggccat ccaccacttc ttatcttaca    3060
ttttagtatc acctttattt tagtatgcct tcaactatca gttactgttt tatgtagtta    3120
acaatagtta ctatccattt ctttactatt ccttcttctg cctcactctt tctc          3174
```

10251

<210> 11671
<211> 1205
<212> DNA
<213> Homo sapiens

<400> 11671
```
attatctgct tctaggttgc taaatatcaa tataaagcat attattccag taagtgccaa    60
tgcagttgtt agatgctggc gctgaagtta gtgctcactg cattctctct tgttggctgt   120
ctacttgagt caccgattgg cacagccaga gctataacca gtctgtgagg attgatttgc   180
cctgacttgt atcttcatgt gtggtctata aggtctgcca gattggctta tagtcacaac   240
cagcatgtcc taagcaaaat gaaactatat gaacaaaaat cagctctcat ttcactgcta   300
gactttggtg ttttctttaa gaagtagcct tgttaatgct tagttttgcc ttggggacct   360
taatgtgtca ttaactgcct ggaaatacct ttcatttaaa aaagtatact ttagtaccta   420
atgttcaatt tagtatcgat ctggatattt tagcaaattt tgacttttca aagacaaagt   480
ttctgtcttg taatgtttct tgggccggct atactgcctt tcatctaaaa ctcactacag   540
ttcactgggc cgtttggtaa cagggtaacc tgggcataat taggtgcttg attgacaaga   600
gagttaccag taccagaagt caggttctat tttaacccca tcatttccaa ttgattgttt   660
ttctctccac cattattcac tgtctctcaa gtgttagcac tctgagttgt tgaacggagg   720
tttgtatgct gcgcagagcc ctgtcgcaat gccccagcaa gcttcttgtt ggcatgtggc   780
cactctaaat tgtgctccag gatctgctat gggtccatgc ttgcaggaga aacagctgtg   840
tagaatttcc tattgcattt catttgtggg tttagaactc ggttgcttat ttcatattgt   900
ctcccttttc agtccttcaa ggtacatttt tccaacttct ctaatgaatt attacatttc   960
tgagtagctg atatgttttt atcttatcta agcagtatat ttataattcc ttctttgcat  1020
tggctaatct gattagtagt tcagaaccca attttcagat tgtctatagc aaactgtgaa  1080
gaactgtgct gtcaaataga aatagaatat aagccccata tgtaatttaa acttttctaa  1140
taccccatta aaaactataa aaggggagga aatggaaaat tagtaaaaaa aaaaaaaaa   1200
aaaaa                                                             1205
```

<210> 11672
<211> 1205
<212> DNA
<213> Homo sapiens

<400> 11672
```
attatctgct tctaggttgc taaatatcaa tataaagcat attattccag taagtgccaa    60
tgcagttgtt agatgctggc gctgaagtta gtgctcactg cattctctct tgttggctgt   120
ctacttgagt caccgattgg cacagccaga gctataacca gtctgtgagg attgatttgc   180
cctgacttgt atcttcatgt gtggtctata aggtctgcca gattggctta tagtcacaac   240
cagcatgtcc taagcaaaat gaaactatat gaacaaaaat cagctctcat ttcactgcta   300
gactttggtg ttttctttaa gaagtagcct tgttaatgct tagttttgcc ttgggggcct   360
taatgtgtca ttaactgcct ggaaatacct ttcatttaaa aaagtatact ttagtaccta   420
atgttcaatt tagtatcgat ctggatattt tagcaaattt tgacttttca aagacaaagt   480
ttctgtcttg taatgtttct tgggccggct atactgcctt tcatctaaaa ctcactacag   540
ttcactgggc cgtttggtaa cagggtaacc tgggcataat taggtgcttg attgacaaga   600
gagttaccag taccagaagt caggttctat tttaacccca tcatttccaa ttgattgttt   660
ttctctccac cattattcac tgtctctcaa gtgttagcac tctgagttgt tgaacggagg   720
tttgtatgct gcgcagagcc ctgtcgcaat gccccagcaa gcttcttgtt ggcatgtggc   780
cactctaaat tgtgctccag gatctgctat gggtccatgc ttgcaggaga aacagctgtg   840
tagaatttcc tattgcattt catttgtggg tttagaactc ggttgcttat ttcatattgt   900
ctcccttttc agtccttcaa ggtacatttt tccaacttct ctaatgaatt attacatttc   960
tgagtagctg atatgttttt atcttatcta agcagtatat ttataattcc ttctttgcat  1020
tggctaatct gattagtagt tcagaaccca attttcagat tgtctatagc aaactgtgaa  1080
gaactgtgct gtcaagtaga aatagaatat aagccacata tgtaatttaa acttttctaa  1140
taccacatta aaaactataa aaggggagga aatggaaaat tagtaaaaaa aaaaaaaaa   1200
aaaaa                                                             1205
```

<210> 11673
<211> 511
<212> DNA

<213> Homo sapiens

<400> 11673
```
ggaacaattg catcacccca gaaaattccc tttacagaca gatctgtccc tccaaactta    60
gcctctggca tcctctgatc tggttcctgt gactctaggc ttttctgatg tttgtttgtt   120
ggccttttct agggtttcct gtaaatggaa tctcatgtct tctgcgtctg ggtactttga   180
cttagcatag tacttttgaa attcctccat gtattgcctg tgtcccttct tattgccgag   240
cagtaatcca ctgtattcct actgtggatt atgttccacc gttgtttatc cgtccaccag   300
atgatgaccg ttgggttgtt tccagttttt ggctgccatg agtcaagttg ctataaacgt   360
gagagtgcaa gtctgtgtgt gaatacacat tttcatttct cttgggtgca tgtaacagtg   420
gggttgttag gtccaatggt aactgtatgc ttaataagaa actacctgat tcgctgagag   480
agagctttaa aggaaaaaaa aaaaacaaaa a                                   511
```

<210> 11674
<211> 1067
<212> DNA
<213> Homo sapiens

<400> 11674
```
ggtgtcatca gatacatgat ttgtaaaaat tttcccttgt tctatgaatt ctatgaatta    60
tcttttcatt ttcttggtgt ctttggaagc ataaaagttt ccaattttga ttttgtccag   120
ttttttctatt tttctttgt tgctcttgct tttagtgtca tatctaagaa accaatgcct   180
aatccaaggt cataaagact atgtctatgt tttcttctaa gagtttggta atttagttct   240
tacattgaga tctttgatcc atttcaagtt aattctgtgt atgatgtgag gtaggagtcc   300
cttagcttct gcatatgcac ttttcccagc accatttatt gaaaatactc ttctttcccc   360
atttaattac cttagcaccc ttatcaaaaa tcggttagct atagatatat ggtcatattt   420
ctggactcac aattttagtc cattgatata tatgtctatc cctatgccta tactacattg   480
ttttgttatg gtagctttag agtaagtata actgctttat gttaaaatat taacctatat   540
aatcttctgc cagtggtagg ttttccctta ttttctcatt tttgagacta attttccaac   600
ttaatttggc ttatagaaac ctacaaaaag tattgttaaa tattttcat tttcttaata   660
ctgcaaatca aactcaaagg aaagttggga gggggtgtgc tgtttaactc aggcaactag   720
tgttctcaga atatacctgg gctccaaata tgaatcagta aaaaagatct atgcttggcg   780
cagtggctcg cgcctgtaat cccagcactt tgggaggctg aggcaggtgg atctcgaggt   840
caagagatcg agaccatcat ggccaacatg gtgaaacccc gtctctacta aaaatacaaa   900
aattagctgg gcatggaggc gcgtgcctct agtcccagct attcgggagg ctgaggcagg   960
agaatcgctt tttcccggga ggcagagatt gcagtgagcc gagatcgcac cactgaactt  1020
cagcctggtg gcagagcgag accccgtctc aaagaaaaaa aaaaaaa                 1067
```

<210> 11675
<211> 142
<212> DNA
<213> Homo sapiens

<400> 11675
```
ctgtaatctc agctacttgg gaggctgagg caggagaatg gcttgaaccc aggaggcgga    60
ggttgcagtg agccaagatc acaccactgc actccagcct gggtgacaga gcaagactcc   120
gtctcaaaaa aaaaaaaaaa aa                                            142
```

<210> 11676
<211> 858
<212> DNA
<213> Homo sapiens

<400> 11676
```
ggaaaggctg gggaaactca ccatccatta agcagaatgt tttttggtcc ccctgttttt    60
agcatggtcc ttcatctcca cctccagctg tgtctggtgt ccgtctgcaa gtccaaatcc   120
ttggttcaac cattccaggc aacctggcca aaactaacca aacacccatg atctcccgag   180
aggagaaaag gcagctgcct ggccacaggg ctggggaagg gaatcaggtc atcctgctcc   240
```

10253

```
tttgccagac ttttgatcgc tccacctgga tttagccctg tggcacagtt gtgccttcga   300
agatgtgtag tgccttcatg tgctgagctt ttctgggggg cctgtagctt tattctgttt   360
tcttcttctt agcttctcat tctgtacaca tttagatctc atttttctct tgtctgcttt   420
atatcttctt taattttgct gatgtctgtc agctgcatca tttcttctcc caatctcttt   480
gtgtttatag gtttacacct ttcattattt cttgcctgtt attttagtat tgtttcaaga   540
gtgaacagag ggctaggcat ggtggctcac gcctgtaatc ccagcacttt gggaagacga   600
tgtggatgga tcatttgagg tcaggagttt gagaccagcc tggccaacat ggtgacaccc   660
cacctctact aaaaatgcaa aaattagcga ggcatggtga tgcgcacctg tagtccccag   720
ctactcagga agctgaggca ggagaatcgc ttgaacccga gaggtggagg ttgcagtgag   780
ccgagattgc gccactgcac tctaggctgg gcgacacaac aagactctgc ctcaaaaaaa   840
caaaaaaaaa aaaaaaaa                                                  858


<210> 11677
<211> 27976
<212> DNA
<213> Homo sapiens

<400> 11677
tttctagaac aacaacatag gcattttatt tcttttcatt aagcttctta gtttcttagt    60
atcacaatgg aatgatgaga aaacaacaaa aacgtgagtc tttgcaaatc tctgacaaag   120
agcagagatc tcaaggcaat tggggcgggg gaggcttgac agaagtgcca gagcagttcc   180
aacgtcacat ctctccttgg ctggaatggt gagaaggtgg cactgtcgtg agctgtcctt   240
ggcaattctg ccccatgagc cacgtgcgcc tggtctgcat gggccacccc gcgggatttc   300
ctggtgcctc ctagtacctg gccacacacc cctccgcctg ctccaacgcc ctgggagcac   360
cgtccagtgc tcaggtggac ccagaagcca gctctgctgg cagcggcaa gatgtggagg    420
agcggcagag gcaggcagcg ttgcttgcgg tgggagaagc caaggagtgt gaccaaggcc   480
catctgggag acatctgtgg tggaaggtag ggctggcgca ggtggcagca gcagaagtcc   540
gtgtccccag gcagtagcag gcctagagct tcacagtgcc aggggggcagg ctgtcgttgc   600
agagtctgta gtagcgcagg tcgttgacca gcctgtgcac attctgggtg aatgagggca   660
ggtcctggaa ggcagggca tagctgcagc caacaacaca ccaggtcacc cacccaccag    720
accccaacag ctacttccat cccagagtgt gcactgaaga taggggagca ctttctaaaa   780
ctcaaaactt ctattcactg ttgcactgcg tgtcacagag actctgtgcc aggcgctgtg   840
ggagaaaaag aacaagagga atacgtccct agggcctctc gggtgccaga cactgctgca   900
atcaacatac agacatcaac tcactgagtc ctcaccacaa ggctgccacc aagccctacc   960
agaaccacta gtctaaggac agaaagacca aagcgctgca ccatgaagaa gctggcccca   1020
gctcacactg aagagaccag cacacttgct cctgagtccg gccctcaaa cgcagacatg    1080
gctgtggtga cagccctctt cttcaccatg gccccttgag gtgacgcgca caccgagcaa   1140
tgtctgcaga acctttaccc acggggctcc aggccgcccc tgcccctcga gagccacccg   1200
agcagcagca aacacagtcc caaggcctgt cccactgggc gcagcgtggg ccatggaagg   1260
ccctgggcca gaagtgaggc cctgacctcc gccatcatgc acacggtgag accctgcttt   1320
ttttttcagt gtaggtcccg gtgaggactc aaacaggccc agcaagcccc agcagagcca   1380
tgagcaggac caagttcatt ttcctgccca accactattc ctcttccaga actccattca   1440
aagcctgcct cttcccaaag tctgcacaga tgcctcctat ttcctggccc cagcagccag   1500
ctcagcgcct ctgtcctgag caatctgctt ctggggagtg tgtgcaggct ctggggccag   1560
aacacccagg tctgcctcct gcttcgcagc tctaccactt ccaagttctg tgaactgctc   1620
accttctgag cccccaccat ctgtgaaatg ggggagtaac aggacccaca cttcagaggc   1680
ttgttagaag gcttactcga gccaagacat gtcacatgct tggcactatg tggtccacag   1740
agggtgctgt attggcctgt ctaccatgaa agacttggtg aaggctggga ctggtgcccc   1800
agttcctggc ccgggggcttg agaagcagct ggcttcaaac acacagtgcg tgactgaatg   1860
gaaggtggtg attcttttat tttaccctca aaaaaccaac taagggatgt cttttaaatc   1920
agtggctccc aaatgccaaa ccagaatttc ctgggtagaa cacagaagtc tgtttctcca   1980
tttttaataa gtaccccagg tgcttctgat ataactagat tttttttttt gagacaaagt   2040
cccactctgc cgcccaggct ggagtgcagt ggcacaacct ccgctcactg caacctctgc   2100
ctcccgggtt caagagattc ttgtgcctca gcctcccaag cagctgggat tacaggcgtg   2160
tgccaccaca cctgactaat tttttttatt tttagtagag acagggtttc gccatgttgg   2220
ccaggctggt ctcaaacccc ctaacctcaa gtgatccgcc cgccttggcc tcccaaagtg   2280
ctgagattac aggtgtgaga caccgcgcct ggcctataac tagattttga aaccacagct   2340
ttaaatcaaa aagttgactg atattgatgt cgttagaagc tgatcattaa gtattaggat   2400
ctggcctcta gaaaaaggaa aaaacatatc caggggctga agtgaactgg aagaggctta   2460
ggagagaaca agtcccaaga aaaggaagac cccaagacaa aggagaacag gatgagtcta   2520
```

10254

```
agcaaaagct tccctgccac acgtggcaaa tgaggaaagc aggcggccag gtttgcacca 2580
gtgagagcag tgtgtgcatc tgagcactac ggtggagccg tggacaagct gcttcacaga 2640
ggactcaggt caagaacccc aagaggacca gggagaaagc gatttctttt cctaatttca 2700
tcaagtataa aacggtacaa ggaaaagttc ccagaagttc ctatcaggca agagagaggc 2760
ctggtcacct gacacaggaa gaagagaaca ggtgagcccc atggggaagg aggtcccagg 2820
cactgtcagg ctccaacaag atggcctcat ggacaccaag agccagcagc acccagctcc 2880
caccgaggtg ctgcacgggt ggggacagcc cacctgacag tccctgcaca ggtggcagca 2940
gtgggacaag agggtgagta ctaggagggc tcctcccagg acctggcagc aactcagccc 3000
aagctgagct ggggctggtc tggaaagagc ccaagacagc cggggaacct gggtcccacc 3060
tctaaccctg gggacccaga agtgcagctc ccaagcacca accatctcag cctgaatgca 3120
agcctgggca cactccaatg ctggccccac cggggctcat cacccaggag ggagaacggc 3180
agggtcctgg gtatgaacaa agatgccaag acaaatggag gggctgcaga gccaggaact 3240
cgggacctcc atggctgaga ctaagaacat acgtgctaca gacaccaaga ctggggaaaa 3300
ggctgtgccc ctcaatcagg ctacagcacc aggtcagcag gcatctcgtg agctgccgcc 3360
aagctgcagg gtgggcacag accacgccca gaggcctcaa tgtgcccccct ccttgctgca 3420
caggtgccag gcttgcgtgc ccactctgcc ctcctcttag cccggcctct ttctctcctc 3480
acccgatcca tcttgaaatt ccgccccagc acacttttct ggttggcatc cacaccatca 3540
cagctggtca ggaactctgg gaggaaggcg gcaaagaagc catcaaagtc gactgaggcc 3600
atgttgtaga tggcgatgcc aatctcctcc tgcagaagat catgggactt gtggaccagg 3660
acctggagca gcacgttcac aaactggaac agcatggcag tccggaagat cttctgcagg 3720
cagagagacc aggtgagcag cagccagccc ccaggggcct gtcccgggtc ccatccactt 3780
tctgtcacac tctccagtga gtaacctgag ggtgggacac aggccacaat gcccctgatg 3840
gaagaatatt tccaagagct ggggcactta ccttgtggta cagcttctgc ttggtgttga 3900
gagtctccaa gtagaagaga ttttgtttaa aaaggtggat gtcgggctgg agaaaggact 3960
gtccgaaagc ctaggaaatg agaccaccat tttataaact gcaagaccaa gcacttctgg 4020
agcatctacc ccatgtcaga agaacaagtg ccagggccag ggtacccatt gtcttgatgc 4080
ttctggccca ccagctcaga cctctacgac gctcctccta agtctcagag ttcatgtttt 4140
ccccaccggg ccttgcttct tattatggtc tcatatatac cttttttaac aaacctctag 4200
aaacccatca caggacctgg ctttgaagca agaagctcac acctctagtc aaatccctca 4260
gcaatcctgg cagacagaca ccaaagcctg cctgcctgct cctgctcaag ccaagcaatc 4320
ccctcccttg ccctccttct tgcatcccccc gtctcaaaag ccacaagccc tacaggctcc 4380
ttcatggagc ctccacctgg aggttaagcc tctgcctggg ggctaagcaa agtattttta 4440
aactgctttg gaattcctgg gtgtaaaagt tactagttca gtccaggcac agaagctcag 4500
tcctgtaatc ccagcacttt gggaagccga ggtgggcgga tcactgaagg gtgggagttc 4560
aagaccagcc tggccaacac ggtaaaaccc catctctact aaaaatacaa aaattagcca 4620
ggcgtggtgg cggacgcctg taatcacagc tactcgggag gctgaggcag gagaatcact 4680
tcaatccagg aggcagagat tgcagtaagc tgagatccta ccactcactg cactccagcc 4740
taggcaacag agcaagactt atctcaaaaa aagaaaaaag aaaaaaatta ctagttcagg 4800
ggcaaaaaga aacaccccgc acaccaacac aaagtgccct gctccaacag aaagaataga 4860
aagtgaccat ggggggcagtg ggggaggccg gtggtctgca ggacccccct acaaaacaag 4920
tggtgactgc tttgtcattc tgtccctggg cccctaagct accagaggag gatcttgtaa 4980
tccctgcagc agggatgaga tctccatgat gaccaatagt ttccacttat ttactgttta 5040
aagttaggtt catggaagta taacagagta aactttt gag gtttatcttt ctatgaattc 5100
tgacctacct gtggatttgt accaccacca tcacaaccaa gacaggacac ttccatcacc 5160
tggaacgtcc cctcacaccc tcacccctaa ggcaaccact gctcattatc tgtccctgtg 5220
gttctacctt ttccagaatg tcatagaatg gcatgggatc ctaccatgcg tagcctttgg 5280
catctagctt ctttcacctg acagaatgca tgtgaaactc atctatgctg ctgattgtac 5340
caagaatcca tgcttgctta ttgccgagtg ccagtccctt agaggcatgc acgagcctgt 5400
tcatccattc agctgctgga tactcaaagt gtttccagct ttggcaatta tgaaacagct 5460
tctataaaca tcagtgtaca ggttgtgtga acatatgctt tcatttatct tgggtaaaat 5520
acttagaagt gagactgcta ggtcatacag taactacaca cttaacttta aaagaaactg 5580
ccaaactgtg aaactattct ccaaagtgcc tttcaccagc cctcagtggg accaggcac 5640
cagcgtgcca aagaagtctt ccaggcaagg acagggttca agagaaaggc aggggaggtg 5700
caaacacttg agtactgcag acctgaggcc tcggtgggtg ccagggatgg gaaggccagg 5760
gcaagggcac gtgcctgaaa agaactgcca cacaagagtc agtatgtgtg tgtgtgcgcg 5820
cgcatgcgca cgtgcatgcc tgtgtgcatg ctgtgtgcta gtagggagct ggagggaggg 5880
tggaaatccc tcttgcttcc ccatgaggaa aagcatgcac tgaaaatacc aaaagagact 5940
cccctagcta gactcagatg agaacgtcag acacttgagt gcagaccctg ggagcgtgcc 6000
tgacacagcc acagagcagg ctggctgtct gggcgaggtg atgccgtccc agtcttccac 6060
agcaaggggt atttagcccc cagacagtgc actctctcca atggacagct gcatctgccc 6120
tgaaagcgaa tgctccctcc cagggcagtg tttctcccag tatggtcaga gtcagaatca 6180
```

10255

```
cagtgcaggt ctggggccct cctgcggaga ctcatattca ggcagctccc cgctaagaag    6240
gccctcggtg actctggcat aggcaggctc tttacacttg gggaaacagc actatgaggt    6300
cagcggaact gacgtttatc aagcatctct aagtgtcatg cactttgtgt atgtcatctc    6360
atttaacctc acaacaaacc tgtgacccag gcaacattag ctccactttg cagatgaaga    6420
aactgaggct ccaagaaatt aattaacttc atcaatacta acaggcagaa ctgagcttca    6480
gacccgagac tgtggggctt cgaagacagg actcgctgca gtggtcaggt tagaggaagt    6540
cacctggcag caaccccgcc cccacgttac ctgcatgatg gcactgaact ggggctcatt    6600
ctccatctgc tcctcagcga tccccctctg gacactggcc agcacggtgg acttgaagaa    6660
gtacctccag ttgtgatgga gcgtccggaa aaggagctca aacagctcgg ccttcacatc    6720
agggggggga cgctgcaaag acacacagac gctcagacct gcagcttgcg gagctgctcc    6780
ggcctgggcc cagggcagca aagatgccta ggagacgcct cgtgacagca agccgagtgt    6840
caacactcca tccacatgcc tgtcactacc tgcgcaaaag acatccagcc cctggagtcc    6900
tgtcactgcc tgtgcaaaag acatctagcc cctggagttg gcggttcaca ccgcgagttc    6960
ttcaggagag acatggccca catttgagag agaatgcacg ggtcagtgcc aagggcccct    7020
ttttctgatg agcactcagc ttttacacta gaaaaaagat accaagtgga tgaacaatta    7080
ggagtatgga tttcctgttc tattcgacct gtcagatctt cttgcttgtt ccttttccca    7140
ggataaaaaa tgctgtccca ctaacctgtt ggtcttacac aaccacggag gctaaagaca    7200
gacccaacgc cttaaagcga ttctgctccc cagaagggga gggtttaaag aacacttggg    7260
agccaggctc tctgggccag tctcctcttt cccagtagcc aggattctga gaggagttag    7320
aggagaaggg tcaggctcag cagtgttttc tcattgactc caactccccc aatcccttat    7380
tccaaatgtc tctgcagaat tcaaaattag aaggcccaca tatattcagt tcagccttga    7440
ttaaaattaa atagacacca ggggccacaa gcatccacag aagaagcctc ataggcccag    7500
tgcatttcgt aatgcacagc aaccagacct gtcccagtct cagttcagac agttaaagat    7560
taactcttat ttatacgact attaccaaaa aaactgaaat taaatctata cttattccgg    7620
gtcttattat gctgagtgcc tgcctatttt ctaagaagga caaagggctt tcctgtaaca    7680
ctgaaaggtt tgtttgaatg gtttcaagaa cttgccttgt atcctcgaga ccatgaatgt    7740
ttctaatagg aaagtacata tgttagaatg tttgctatag aaaaccagag tctcttaaag    7800
gtataaaatt tgccacagga gactgatctt agcaactgac cctgtggaat aactgccatg    7860
cttacactag actagctcca atgaactcaa tcaatataaa aacactgtac cacaccacta    7920
aaggccttct tccttgggag aaactacttt acaagcatat taaactaaca aatgaacttt    7980
aaaacacaat acattttctg tgaaatctca ttcccttccc aatctggaga tggggggtgc    8040
tgcacagggg accgtctgag cccctacctc ggcaatgatg ggatacactt gctccatgca    8100
cagggcgatg atgctgggga ggaagggctt gaacacctgg cctggctcct ggaccaccac    8160
ctgcaggatc ttcagaaact tctccaccac ccggcagcct gtgctgccct cgtggaggat    8220
gctctcggct aactgctctc tacagaggag aaagccacac agtgagcaac cacatgtttc    8280
tctgggggcc agcatgaaaa cccatgctgt ggcaagtgca gaacaggagc aaaaagccac    8340
actttgtcgc cagacccacc acttctccct tgaatctgaa aactatagat ggtgggtctg    8400
tgcttacctg gtaaacatgt tgaggaaagt ctgtatgatt tgctcagtga aaggcacacc    8460
catctgtact ctaaggcctc gaaacagagt gaggaagaag ctcagcatct catcagtcac    8520
atctgaggaa aggggcagag atatcgtcag aggcttgcac acagtgagaa ccagaaccct    8580
gggcttcatc aacctactcc tgaaatctgc actatcagct ttctctacag cttcctgctg    8640
gaaacatttc cccaacacca tcagggccaa tgatggaaag tggaaaacga ttagggacat    8700
gctgagaaaa tagttctggt atagggaacc tccacctggt ggctcactac aggaaatgaa    8760
ggtcatctcg aaccctccct cattgcccga catccagtga tggtcagagt ttcactggag    8820
agggatcact ttgtgcccac actgatgaat gccaactggg tcaacacctg agtgcttaag    8880
ccatttcccc ctatgactaa taatccctgc agctgggtca ggggttaagt ggttgaaagt    8940
ggataatgaa ggtgtattta ggttgcatgg ccctggtcca ttaaatggat taattgcaga    9000
aaatactggt tacatatagg gcagtttcac ttccagatct caacaatcat cttgtgtagt    9060
gtgtttcagc cctaactgca cgcaatctgc ttgcaagagg caatgaatat ttgctgactg    9120
agaagtgcct gatatttctc ttgtaaaact gacaagacta ctataatgct gtcatgagag    9180
ctaggcaagt acatccacag agctagagag gccctctatc actgacagtg acagacaagg    9240
gtgaggggaa cgatctcggc aaatgcacct tgccacaaaa taggagaac taagccaaaa     9300
aagctctctt gccttctctt gtaggtgcca aggcccatat ggagagctct gctcactttt    9360
ccaaagggcc ttggccctag actccacaaa taaacatcac tgccctttcc cctcagtacc    9420
gggtttcgtt gcacggaaca agtcaaggcc tgtactgcac cgactcagtg tgttctacag    9480
atctaagtgg gtattctggc ccttgttagc accacccacc agtgggggcct ctgggccagc    9540
tcctacctga ctgatggata aaagctggaa agagggccag ggagacctga acagattcct    9600
gcagcgactg gtagcaaatc tgtcgagact tggtggactc ccccgagata ttctccacaa    9660
tatcttctaa gacgctgagt gtctggtgga taatcagttt ggctgcaaat caagatgagt    9720
tgcaggttat aagctgtctg gggagaaagc atggtaagag gagacacaag ggagagggag    9780
gaaacttgca aaggtaccaa gaagatgatc acacgagtct cactaaagga acagtctctt    9840
```

10256

```
gattacaata taaattctcc tctctttatg ttttagtttt tgtttttact attattactg   9900
ccaggactcc agaagcctgg aatgtgtgtt ggggagaaga tgcctgcctg cctgcttgct   9960
caggtttttg cctctgtttt gcctctggcc attggcaaca agtccacaga agaaaaaga  10020
taaataaatg tacccccagg ttgggtgcct tggatttaat caaatctaaa agatggtgaa  10080
tagactggtg agaaaatgag tgtcataagg tcacaggcca ggacggacac atgcagctca  10140
aaccttgtca ctcagtggga tgctactcca gcccagtaat cccacaaaca cctgccatgc  10200
acatgtaatg gtgctggctg caagaacaac ctgcctgatc catctttggc ctattagccc  10260
tgtagcttga taaggcatat aattactgtt attatgttat tgacaataca taatgctaac  10320
cctgagatga cttttgactc catatggcac acagggaaaa cagatgtagt gggccgcaaa  10380
caggcagagg tcagagagcc ctggctatga accacaggtg accatctgaa ggctatgtgc  10440
catgggcagg accctcatcc atctgggaga gccgacaacc ccactctggc agtgctgcag  10500
tggggattag agacaaggtc ccgaacgatg ctagcagtgt gccagccatc taagaaggtc  10560
caggacggag atgctgccat tgttcccagc gcgagtggag tcaccctctt aagatgcaga  10620
gtttcccacc agcctcccca aagtgacgcc catggctcag cctgagccta gcagactcaa  10680
ccctggtgac caccagaggc tgagccagag ctgggctgag agctgcctcc cacttggcag  10740
cagtctctgg gtcccccgaa ccccagtgct cagcagcctc tgtgggactg ccgcagcttt  10800
gaggaagggg tacggcagaa agaagacatg ctcaggaggc agatggaggc aggcctggcc  10860
ctgctgcccc tcatctgaaa acgtggatag agagcatcgc cccactcaca gggctgagga  10920
tgaaggaaga cgcttctcgc cacaggcctg gtcctggtcc cccagtcaca gtgacactgg  10980
agagtaaagg aaaggctcac ccacactgct gagcagggag ccgtccacaa ctacaagcac  11040
atggacttct actcagctag gaaactgcac tcagggcagc cacttcctca agaacgcaca  11100
ggcaacaggg gaagcagttt agagcaaaaa accaacagtc aagagaccaa aatctgacct  11160
ctggcattta aggaaattca aacgaggaca aaagatgtat ttaaaaaaaa tacaagtcaa  11220
aaattgaaag cactataagt atataataat aggagaatgg ggtgggtaac tgttatactt  11280
ccatgagaca ggacattata aaaccattaa aacctttttt cttttctttt ttttttttt  11340
gttttcaaga agaaagaagc aatgcagcaa agtggtgcag aacacaggag ctggagccat  11400
tcagacccaa gtccaactct tgacctcgcc cactttctct acagtcctga gcaattacac  11460
ctgccaagca ccttcccaat ggacagactg gcaggcccta ctcccaacag gcatccagac  11520
tgagcatcac caaggatggg acaaacagaa gcaatgcaag aggaaatgcg aacacgaaca  11580
tgcaccacta caccacaacc tatggaaaca atcaggcaaa acaagactag gagacatatg  11640
acaagaaaac aggcctggac gcttcaaaaa tgccaatgtc acgaaagaca aaaactgggc  11700
atgctcttct ggatcaaagg agactaaaga gatataacaa ccaaacacaa taaaactatc  11760
ctagattaca tcctggattt tttaaaagca aaaaagaaca atttggtaac aactggggaa  11820
agtgttaatg tggctacatt ttaaataaca ttattgtacc aatgtttaat atcttgttct  11880
atatagatac aaaggttaag tagtcagaga tgaagtgtca attatctgca acttaaacag  11940
ctggctttta agaaaaagtg tgttgcagaa aaaagcataa atgtggcaaa acattcacaa  12000
ttagtgaatc tgggtgagag agatgcagtt gttcattttc ttattccttt ggctagtctg  12060
taggtttgga atttttttt ttcaaagtat aaagttgaga taagaaaaat gaaactttcc  12120
aaccttaatt tcaacactgt ggaatgagga taagacatac ctcacagggt tacagggtta  12180
cacaggaagt tacatgaaat aacgtataca aagtgctcaa cccagtgcct gcacacagtc  12240
agcatactga agacgtcatt cacatactac actgcaaacc ctttcagcac acagtggcat  12300
cacacctccc tgccctctga gttaagccaa ggccatgtag ctggctctgg ccaaggaaat  12360
agaggtggaa gtagtgttag tttcaggcaa gacctttaag aaccactacg caattcacca  12420
caatcccttc cagagtgaac acactgaaat ggagccttcc acagcctggg tccctatgtg  12480
acctccccac tctgctgacc catgctggac atatagtaca aacaacatat ccttttttctt  12540
cttgtattaa gccactacac ttttggagtt gtttgttacc actgagcata tcctcgccca  12600
tgcagaccaa cataactccc atgtaagata aagtgcggaa aggagaccat tacacgtgat  12660
aaagcatgac tccacaacag ctggatgcaa gccctgggca agttccttaa tcttctagac  12720
ctcagcttcc tcatgctaat catcaatcaa gatcctaaca gtaccgaact cataaggcta  12780
atgtaagaac tgaatgaatt actgattttt gaaaaatact tagaaccagg aagagaccaa  12840
caccagactt tgaaagttga tactggcata gccagagact tgacgatgga tatagaatca  12900
ccaaggcaag agcctagtac acagtatacc ctcaatatgt cagctactct catccagcta  12960
tgtaaccatg aagcatattt taaaatagaa aagggaaggt aagaaggaag catggttaaa  13020
atggttactt tctaaaatat taaaactggt cagatttagg agttactttt ccttctttg  13080
tattattcta ttttaatgta tttgtacaat gcacatatgt taatcttcct agttataaaa  13140
gtagtgtttt ttaaagagta tagtatttat tactatttct gacatttcac aaagcatttt  13200
tgctgacatt ccataaatgg caccatctaa taatgttcta ttattttctt tttgtgaaag  13260
gagctcgtat tttttaaaata tttcggtact atttgttatt tcaaagagat atttccttat  13320
tcattttttt ccctctttct ttaatataaa caagcaaact tcaagtgcca tttttttaaga  13380
aactaagctc tttcaaaacc tctggaagat ctgtatttgg aaaaaggttg aaaccaatct  13440
ggaaaaatag ttcttgagcg catttttccca gcgtgtagag gtgaactgct ttgtttgcct  13500
```

10257

```
acacaagcat ctgaaataga tcaataacca ccttaagatg tattttatag acagaaggca 13560
ccatcaccag tgtcttccat ttttttcttag ggctccagca tttttttacat tttaaataag 13620
agaagggaca gtttgattct ggaaataggt ctggctgctg tcttaactga attccaaagg 13680
tagcaggatc ccacccccaa gtatgacttc ctgctcagcc tctgtgggac tatgaacaaa 13740
aaaaatttac ctcaggagcc tccggggcaa atctcatctg ccacaaagaa caatgcctgc 13800
ctacctcctt ccccagctgt cctagcctag gggtcactta ctgtcatcca gtggcatctt 13860
tctctgtggg gcaacagcac tgggcttcag gttgcgatag tcccgggaga gtgcagagat 13920
gaggctggcg tggttgatgg agcgcacggg ccactgctgc tcattctctg gaaggtttgg 13980
ccacggaagc agcaagatgt tagagagggc tcggcacacc aacacctggg cctacaagag 14040
accccaaagg catccatcag aggtcagagc caaagaccgt ggtgcggcat gcccaacaca 14100
gccttcagca cccgctggct gcacacctgg aaccctagcc cccaggctcg tttcttgcaa 14160
cctgggcaag gcctttggtc caactggaag gcagcttagg gaggaagatg aaatgaagta 14220
atagcaccat gtctaggtct agcataaccc agagctaacc tctcgtttcc tctgtaatct 14280
gatacttgaa gtattagaga gggaaaaatc acactgcaga cactgaatct caggcattgt 14340
tcagctggtg gcttctgagt cctctgagaa gctacttaga gcaggacttg caggagaatc 14400
cgtgacaatc catgccccta gcaccaggtc acatcctgca atcgcatcct ggtgccctct 14460
ggtaccctct tcaaaccttc ctgccctccc tcctgttagg tggttttttaa acttctagct 14520
tgagcctcct ttgaggattc taagaaaatg cacttgcctg gcacttctca accccaaaga 14580
acacacacag aacagtgaca acaaaaacca gactgctttg aatcagaaag aatgcaaaga 14640
gaattctcac aacactggcc gaaattacca ggctgcaaag cagcaaaacc tttctgcaca 14700
ctgggaggtg cttttccacg cctcaatcag cacactgact gcctgcctta gaatgggcac 14760
gatgagaatc actgagtctg tgtcagtgcc acacaataag aaatctgtct atgctggtac 14820
agcctgtaag ctctgagtac aaaatcaaag gccagactct tcttcctcag cttccttggg 14880
tctcagtcac acagccctgg ggaccccggg ggagctctgg ggcctcacct tatcgacaag 14940
tcgcagggca gaggcatcag tgattctgtt gaatactttc tgcactgcag ggatgctgat 15000
cagaaagacg ggccgcacgg tggtggccag tgagaccagt aagtggcacg cagatagcag 15060
cagcttgtct tggacctgca gagggaagag ggcacgtcag ctcaccacat ccctgtaaga 15120
ctgggattcg aactttgctg aggcagccac aagctatgtg tcattcttgg tttccaaatt 15180
acaccaccta ggccctatct agctcaagaa ttttttcctat gatgactaca agagaagccc 15240
atcttctctg tcatgtccac agctcctgcc gcagccatta tcacctcctc ccgttcctcc 15300
ttcacagtca ccagcagcct tgaactcagg cacttctcag cttagagtct gcagtggctc 15360
cctatcagct attaaatcac actccctggc atgtcatcca ggtcctagaa ttcttcacct 15420
cactaattgt tccagcagag ccaagatctc cccgagcccc cgactcttct gtgccttaac 15480
actcaggcca gtctctccta ctgctttccc ttcagcatgc ctatcaaata cttggttcaa 15540
ttaccactgt tgctttcaaa ttagcaaagg agaaaaacgt gttacagatg ggacctaatg 15600
ctggtaagac taagataaaa acagcacacc aaaaagtcaa ggcaggcaga attacttcgg 15660
gaaaaaaatt actatgattt cccaaagtca caaaatattc ctaaccttta acccttactc 15720
taagattacc tataacctat aatacttact ctaagaagat tacctaaaag ggtaaagcta 15780
cattcatgaa tgtgtgcatt tcagaattct ttataataat tttttatttt ttaagggagg 15840
cagcctagaa gtccagcaat ggctaggaaa ataatgaaac atattcctga tgggatagga 15900
ctattttcaa agttataatt ataaatacaa cataaattta tggaaagcaa cacattgtta 15960
ttaaaacaat acactgttta aaaatgtata aaatgttatg tatgactaaa actacaaaaa 16020
aattcaaaga ataaacacat atatgctcta gtaatatagc agacttggag gataacataa 16080
tagaatctgt ccagttttaa catggatata acctttgact cagtaattcc acttccagga 16140
atctatcctt caggcccact agcatatgta agatggacat aaaaggaact catttctagc 16200
aataggaaaa ttattataca tcctcacaaa aaaaaaaaaa aaaaccact ggacattttg 16260
acaatctgaa gttgctgtac atatgtaaag gaaatgaag gcatactgtt aggcaaaagc 16320
agctatatct ccagctatct acaaacttag ttattactta ttacataaaa agagaaaaaa 16380
gtctggaagg atatacaggc atacctcaga gatactgcag gttcagctcc agaccaccac 16440
aataaagcaa attatgcaat aacgcaaggc acactaattt ttttgtttcc caatgcatat 16500
gttttgttta cactatagtc tataaagtgt gcaataagca ttatgtctaa gaaaacaatg 16560
tacatatctt agttaaaaag tagtttattg ctaaaaatgc taacaatcat ctgagccttc 16620
agagcggtaa tctttttgct ggtgaagggt cttccttgaa agtgactgct gctgactgaa 16680
caggtggtg gttgctcaaa gttggggtgg ctgtggcaat tacttaaaat aagacaacaa 16740
tgaagtttgc tgcatcgatt gacttccttt catgaaatat ttctctggag catgcggtgc 16800
cgtttcatag cattttgccc acagtagaac ttcttttcaaa gttggagtca gtcctctcaa 16860
accctgctgc tgcttcatca actgagttta tgtgttattc taatcctctg ttatttcaac 16920
aatgttcaca gcatcttcac cagttgattc catctcaaaa acccactttc tttggtcatt 16980
tacaagaagc aagtccccat ctgttcaagc ttgatcctga gattgcagca attccatccc 17040
atcttcagac tccgcctcta gttctcctgt tatttccaca tctgcagtta cttttctttac 17100
tgaagtcctg aacccccttaa agtcatctat gaggctggga accaacttct tccaaactcc 17160
```

10258

```
cattaatgct gatattttga tctgcttcca tgaatcatga atgtctttaa tggcatctag 17220
aatggtgaat ccttcccaga aggttttcag tttatttgcc cagatccact ggaggaacca 17280
ccatctatgg cagctatagt cttatgaaac gtatttctga aacaataaga cttgaaagcc 17340
aaaattaccc cttgacccat gggctacaga actacagaat ggatgttgtg tgagcagcca 17400
tggaaactat ggaaactaat atctttgaac atctccatct gagtccttag gtaaccaggt 17460
gcattgccaa tcagcagatt ttgaaaggaa tctttttttc tgagcaggtc tccataatga 17520
gcttaaaata ttcagtaaac catgatgtaa acagatgtgc tgtcattcag gctttgttgt 17580
tccatttata gagacaggca aagtagattc agcataattc ctaagggccc taggattttc 17640
agaatgatac atgagcactg gcttcaacct gaagtctcca gttgcagttg ccccctgaca 17700
agagagttgg cctgtcctct gaagccaggc actgactcct cctctctggc tatccaagtc 17760
ccagatggca ccttcttcca gtataaagct gtctcatcta cacagaaaat ctgttgttta 17820
gtatggccac cttcagcagt gatctagaac ttctggagaa cttgctgcag cttctccatc 17880
agcacttgct gcttcatcct ggagatggct tctttcctta aacctcatga accaacctgt 17940
gttagcttcc aactcttctt ctgtagcttc ctcacctctc tcagccttca cagaattgaa 18000
gggcctgatc tggatttggc tttggcttaa gggaatgttg tggctagctt ggtctatcca 18060
aaccactgaa accttcctca tatcaacaac aaggctgttg tactttctca tcactcatgt 18120
gttcactgaa gcagaaattt taatctcctc caagaacttt tcctttgcat tcacaacttg 18180
gctgtttggc tcaagagcct ttggccaggc cgggcgcggt ggctcacgcc cgtaatccca 18240
gcactttggg aggccaaggc gggcagatca tgaggtcagg agatcaagac catcctggct 18300
aacatggtga aaccccgtct ctacaaaaaa tacaaaaaaa ttagccaggc aaggcggcag 18360
gcgccagtag tcccagctac tcaagaggct gaggcaggag aatggcgtga acccgggaga 18420
cggagcttgc agtgagccaa gatcacgcca ctgcactcca gcccgggcga cagagcgaga 18480
ctccatctca acaacaacaa aaacgacaaa aaaaaaaaa aaagagcctt tggcctatcc 18540
tggcttttga cacgccttcc tcactaagct taatcatttc tagattttta tttaaagtaa 18600
gagacatgtg actcttcctt tcactcgaac acgtaaaggt cattgtaggg ttattaaatg 18660
gctcaggaa tagggaggcc taaagacagg aagatgggga agcctccaat cagtggagca 18720
gtcagaacac acacatttat caatcaagtt tgcagtcttt ggtttgtggc actccaaaat 18780
aattacaata gtaacattaa agatcactga tcacaaatcg ctgtaagata tagtaacaaa 18840
aaagtctgaa atattctaac aattaccaaa atgtaacaca tggaagcacc aaatactgtc 18900
aaaaaaatgg tgctgacaga tttgcttgat gcagggttgc cataagcctt caacttgtaa 18960
aaaacacagt ctctgtgaag cgcaataaag ggaagtgcaa taaaatgagg tgtgcctgca 19020
caaccactgc ccaactgtgc ttaccgcgcg aaggaaaatg tttcagaggt atcacaactt 19080
tttagtctgg aaatctgaat gatattttac tttttcacag tgagcatgta ttcatgtgga 19140
actcagataa ctaaaaaagt aaagttgtat ctgaatgcat gtaggctaca actaaaaagg 19200
aacatgaaat aaaacagatg tataacagca gaaagattta tgggtctaac tctgtgtcat 19260
atttagattt tctagtaaat gggtatagga acagaaggag agacagagag ttagataaaa 19320
ggtgtaggct ttgctgtttc gagaccttgg tgctgattag aggtgtgatt gcatccatgg 19380
tagtagagat gagtgtcacg aactgctgcg tgttctgccg gtgaacttca ctgcaatact 19440
gtgctaacca gtgagagtaa gcctgcagcg cagccaggga ctgagcatgc ctgcagaaag 19500
aaaagaagat gtgattttaa aggttaaggt gaaaatatat tagcgttcaa ctcattttca 19560
taggaggtaa gaattgcatc cactgcattt gctgttctaa gacatgggca acagcataga 19620
aatcatttac cggttcacgt agaacctaaa aactaagata ttcatcatct aaacattgcc 19680
accgctgact agagcacaga aggcagttag tcaatgtcta ctgaatctta ttcaatcttt 19740
ctgtgacaca tgctcaccta agagaaaggt aaattataaa agcaaaatca aagaacttaa 19800
gtgatcatgt gttgacttca gaactagtac aaatttaaca ttcctagctg cagactaaag 19860
cgtagacaac taccaggtgt gacagcttta taaacagagc tttgatgtca gattttggag 19920
tttaagcttc cactgcacca cacattccac ctggctaggg aataactgag gcggcaaaga 19980
ctatgtttgg tttcagcaaa ggctgtactg actgcatcgt acatgcaaca aaatatacat 20040
caaaaaagta tgcaattcat caaatataat aaacaatcaa tcttaaacaa ggagagacag 20100
ttgtctcgga gcttcaaaac accaagcctt ccaacatacc taaatgtaat tacctttcgg 20160
taataattag taagttgtaa ggtggtacta ctatgaggtg acacaaagac agtgttcctc 20220
atggtttggg catttattaa cgactcctgc ctaaatcagt attacattgg tggttgtgaa 20280
ttggtaattt ttctatcttt ccttttctcc tcattagttg gcagtcttct ctaaaaagag 20340
gctttccctc ctctcatcct tatttgtta atcactttgg gttttgttt atctgtttgt 20400
ttacttgaga cagggtcata ttctgttgct caggctggca tgcaggggca cgatcatggc 20460
tcactgcagc ctcaaccttc tgggctcaag tgattctcct gcttcagcct cccaagtagc 20520
tgggattaca ggtccatgcc accatgccag gctaattgtc gtattttttg tagaaatggg 20580
gtctatgttg gccaggctgg tctcaaactc ctgacttcaa gcgatccttc tgccttggcc 20640
tcccaagggg ctgggattgc aggtgtgagg cactgcaccg gcctagcctg ttaatcactt 20700
tgaatgagta gattattttc attcaaactg gtataattca ttattgtcct tattctttct 20760
tgatgactga actgtcaagt ttgaccagga agaacccttt caagctgggt cctgcatcct 20820
```

10259

```
cttcacatgt tcccaacagt cactgagcac ttccttactt gctgacttgg caagattgtc 20880
caacatcacc cccccagact tgagcttttt tctccaaggt gctctggaga atggatttga 20940
gaaaccaaga cctggggaaa agggatagga ttgctactgg attgtcactg tttctaggag 21000
ctttcagcag acagaattag gatataggca ggtatcactt tatttactta tttatgttgc 21060
tgaaacaggg tctcgctctg ttgcccaggc aggagtgcag tggcacaatc atagctcact 21120
gcagcctcca actcctgggc tcaagcaatt ctcctggctt gcaattctaa gtggctgggg 21180
ccacaggcat gcaccactat gtccggctat tttttttttt tttttggta gggacagagt 21240
ctcactatgt tgcccaggct cctctcaaac tcctgggctc aagcgatctt cccacctcaa 21300
cctcccaaag tgctgggatt acaaacatga gccagtgtgt ccagcctaga caccatttta 21360
aaagcaaact cagcatcaac aattacaggg aaatttgata ttaagagcct tctgacatga 21420
tgcaagagga aaggcacatc attgcctatg tagtaacctt gctaaaaatg tttaaactga 21480
atctaataca atggaaataa ttagacaaat ccagattgta ggacatgctt ttaaaaaaat 21540
taagatctgg atctgcaaaa ggtcctcagt cactctcaca cacacacgca catgcagaca 21600
tacaaacaca attgggtgaa ctgttctaga ctataggaaa tacatttaat gtgtggctca 21660
tgattagtta gaacttggat ccaagaaaaa aaaaagatac aaaaacattc ctgggacaac 21720
tgaagaaatt ttaatatgga ctatatatga gatgacatta ttgtatgtat taaattatgt 21780
gagggttgat aatgatatca tagttaaaga gctgaatgaa cttatttcta ggatacacac 21840
actgaaggat ttacgggtga agtgacatgt tgtctgtaat ttcttttctt tcttttcttt 21900
tttgagacag ggtctcactc tgtcacccag gctggagagc agtggtgtga tctcagcctc 21960
ccgggttcaa gcgactctcc cagctcagcc tcccgagtag ttgggactac aggtgcaagt 22020
gccaccatgc ccggctaatt tttatatttt ttggtagaga cagggtttca ccacgttggt 22080
caggctggac ttgaactcct gacctcaagt gatccgcctg cctcggcctc ccaaaatgct 22140
gggattacag gtatgaatca tcacgttcag ccatgcagtt tattttcaaa tggctcagca 22200
aaataataat aataatcatc atcatcatca tcatgtattg tgtgcagaga gggcacaaga 22260
aacaaaagcc aatttgtaat tggttactct aggctaaggg tccatgggtg cttattcgcc 22320
tgttttttccc attttctata ggtttgaact ttttcaaaat tagcagttgg gtaagaaaat 22380
gtgctagtac tttaaagtaa gaaaatatag ttactgaaag tttgaaattc atagtgacca 22440
cacagttatt ttgtatttta catttaaaat tttattttat atttagaatc acattaccct 22500
ttaagttcta aataccaaaa taaagagaaa ggacatcaaa gtcagcctta ggagtaagaa 22560
tttcagtcaa tctagcacat ctgtagagct cctcaaggct gaaaggaggg gctctgaaac 22620
tcccaaaatg tgtacaagtt gttgtattta taaggaaact ggcatctttc ttgggagatg 22680
ctttacaact ttctctaaat tctcaaaagg gaaagcaata tattttttaa aagtttaaaa 22740
ccaccatagt aagtaagatt ctctttccat cgtttatcta atctgcagct caagaatgct 22800
ctacagcagg agtcggcaga ccttttctgt aaaaacccga gtgtatatat tttcagattt 22860
gcagggcata catacacact gtcacagcta ctctactctg ctgctatagt gcaaaaccac 22920
tcccagaccg tatgtaaatc aatgtagctg tgtttcaata aaactttatt tacaaaagca 22980
gtcagtaagc cagatttggc aaaggccata gtttgccaac cccctgctct catctaaagc 23040
aagtcttctg ggcagtgaaa tctctgggat actgcccatc tcctgtccct gtccttccat 23100
atgtcacttt cctaacagca tcccatgtta tctgtagagt ttctgtaggt agagagtgtg 23160
gtctctagat gtcctgcttc aaaataacct ggggttcttg tttaatacgc aaatacccaa 23220
gccttatggc cttatgccat tctgctaaaa tcagaatctc tgagaaacgt gttccccaag 23280
cattcttctg catcctacag tatcctacag ttttagtcaa tgatctacag gaaagactga 23340
tggcatctga ggtgtttccc attagtccca acacacctat ccagtctctt cttgcactac 23400
atggagtagc cacctcctgc ctgtgtgact gtctcagcct gtactgttct ttcctcctga 23460
aatgcctact ccatagaatc tccatcccag ctctcactta cctaattcca ctttctccaa 23520
ccgcctctgc cccagacata tagtcaaaaa aatctctctc tctttctagg tttgcagttt 23580
aagagttttt ccctgattca tggcagccac tactgttcct ttttctcaat caaattattt 23640
ggagattggg ggcaaggtct ttcctaaaaa tgcacaaaca tcaaactcta gacttacaca 23700
tcaatgaggt caggtttcaa tactgatggc acagcagttt caatgttgta caattttatc 23760
tgagatccgt acagagtgac tttgaccaac ctgttggcaa agaggcaggt aaacaagaac 23820
attcagctta tgaactaaga cagacaaaac agacaaggct ggtaccagca aagagcgtaa 23880
gggcagactt tttcatatac aaaaaagaat caagaccaga cttteaattt tatgccaagg 23940
aaataatctg agatatgcat aaagatttat atacaagcat attaactaaa gccttattga 24000
aggtgtcaaa aactttgaaa acaatataaa tatccaaccc agaggaggta atacaatgca 24060
atatatacaa taaaaaccat gcttagaggc atatttaatg ataaatattc aggatgtttt 24120
aaacatgaca tggttgtact aaatatacat acagaataca tcgtgaatgt tcatctatta 24180
acagaagaca ggcgggaaga agtgtcacca aaatatgctt attggtacca cttgttttag 24240
ggggaggata gagtgggtag attatggatg attttttttcc ctctattttt ctgcatttcc 24300
aaattatcta caattaatat ataatgtttt ataaatgagg agaataaaaa atagttctta 24360
aaaagcaggc agaatgtggt tgctcatgcc tgtaatccca gcactttggg aggccaaggt 24420
gggaggatca cttgagtcca ggagttcaag accagcctgg acaacaaagt aggaccctgt 24480
```

10260

```
cttttaaaat tttatccaga tgtggtggca catgcctgta gtctcagcta cttgggagag   24540
gctaagtagg gaggactgct tgagcccagg aggttgagga tggactaagc caggatcatg   24600
ccattgcact ccagcctggg taacagaaca agaccaaaat cctgtttgtt tgttttgttt   24660
tgttttgttt taaaaaaaaa actgctcttt tggcagttta tcgaaatagg atgacgtggg   24720
cttttctata aaatttgata atgataaaac catcttagct tttatttaaa atcattttta   24780
aaaggaaatg tttcagatgg gttgatacat aataaaaaaa atacagcaaa ctgtccacca   24840
tagaatctat gtggtgggta tatgtgtatt ccctgtacaa ttctttcaac ttttcttcaa   24900
atttgaaaat gtttgataaa actttggagg aggcagatga aaggagcaaa tgtttctaga   24960
ataggtggag gtgttttatg ttcaagtaca attcttttcag aagcaagctg ttgagcccac   25020
tggttgctca agggctcact ggatactaac gagcattaaa cacaataact aatagctcta   25080
tctagtagga aatgggaaat gcctctttca ttacagacag gacaacattc ctttctctcc   25140
tctttttttt gagaaagcgt cttgctctgt caaccaggcc agaggattgt agtgatcttg   25200
gctcactgca gcctagactt ctggggctca agtgatcctc ccgcctcagc gccccctccc   25260
atagcgggga ctacaggcgc atgccaccac acccagctaa attttttgt cttttagta    25320
gagacaggtt tcgtcatgtt gtccaggttg gtcttgaact cctggactca agcgatctgc   25380
tcacctcagc ctcccaaagt gctgggatta caggtgagcc accacgcctg gagttgaaag   25440
acattccttt ctgagtgaag gggaaaaaac ccaagacctg gctagtttct ctctgcctac   25500
tctgcgtgga aacctggaaa tggatgccag ggaaggcagt gtttgtcttt gtcccagcat   25560
aacaatcaac taaggaactt gttacaaata caaacttgta tttgtatttc tgattgctgg   25620
ggagcaatga gaaagcaatc aaaaaggagc acttccggtc agtcaagaaa gtgagggcaa   25680
aagaactaag gttcccaaag tcccacgaag tcctcgtgat cagaacagtt attatcagaa   25740
aacaatatac caatatgcac ctggtgttta aatcctgttc tacactaaaa atgcatttcc   25800
aaacatcttt taatgtgtct gtgtttagca gttctaatat tagctttgtt ttatgtaacc   25860
aataaatgaa aacactgcta atcatactgg ctattaaggt catgtagtca taacaagagc   25920
cttctctcac attttattct aaatgaagac aaaatattaa taacaagtat gtttaagcac   25980
tgggcttgga aatctaagca gtgcagaaag atagggacct atcaaatgat tcaggatctt   26040
tgagacatca tctcactaca aagttgagat gactgacaga tatacctttt ttttttttt    26100
ttgagacgga gtttcactct tgttgcccag gctggagtgc actggcgcga tctcagctca   26160
ctgcaacctc cgcctcccag gttcaagcga ttctcctgtc tcagcctcct gagtatctgg   26220
gattacaggc gcatgtcccc acgcccggct aatttttgta ttttagtag agatgggggtt   26280
tcatcatatt ggttaggctg gtcttgaact cctgacctca ggtgatctgc ccgcctcagc   26340
ctcccaaagt gttgggatta cgggcgtgag ccactgcgcc ccgccaactg aacagataag   26400
atatatctat attgcttaac agagtaagtt caaataatgg acttatcttt ggatttcaga   26460
cagaaaaaca tgtcttatcc ctgctaaacc tcagtgcaaa tgggcccagt acaagaagag   26520
gaggaggaac ggactggcaa tacaaacgct acggtttgga aagcgcacaa catgtggacc   26580
caggaaactg ttaaaatcca ctctccctct caaagactgt gtgaaccgag gcaaggcact   26640
cacatcactg agccacaatg tacttactca acaataaaac ggcaatgcct gtctctcaaa   26700
gtacagaaca aaatgaaaga ccatgtgcaa aaacacagaa aatgtcctac tactgtgtgc   26760
tgtttttatt attaatatga atctggcttt taagggattt aagcccttg gctatctttg    26820
cttttcagct aagatgtggc agtgaagtct ggcatgcatg cacccaggct cctgaggctc   26880
acttcccctc tgcacgtcac cagtgatgcg gctgctgggc cagtcgaagc atcaggtgtc   26940
ttggctttgg gctggatcca catctactca gttttgatct aaccaattca acagctgcct   27000
tgaaatgatc taaatgtcct gtcacttaca tcttgggttt ttcgagggga gaaagggagg   27060
agggactgct gactgagtag aatcaagtgt tcctcaacaa gtgcatctgt aaacctggtg   27120
tgagacccaa gaggaaggag aagaaaagga gcccagtggt gaaaggctgg gaaccacctt   27180
tcgggccagg cgtggaggct acccagcttt cactcccgag gccctaatgg gactggaaaa   27240
aacacaaaaa gcaccctgtg catctagctg cctacttgga caatggagtt gactccttat   27300
cagtagggct ttcttaatat ctctttatcc tatgaggaaa gacatgaaga ctgacctctc   27360
ctggtttctc ctgggtctac aactgtgttt acatttatac acaagatctt caaagaaaca   27420
ataccttaaa taacttatca ggcgttttgt tatgtgctag gcacagtgct aagtgcttta   27480
tctcatttaa ttctcacact aaacctacag gaaacaacat ctacttcata ttgtaaatga   27540
gggacctgaa gttcagagag gttaagtaat ttgttcccta tcagcttgta tgtggcagag   27600
cctagattta cccggggcca gagcagaagc tatttggcaa tatgctgccc ctcacacaag   27660
aaggtaaagc tgaactctga agaaggaaca gctccataag gtaactgcca gcctaccttt   27720
ccacgactgt gagggcatca ttgaaccgtg cagcaaacac atccccgata aagtactcgg   27780
ccaggcggcc cacggcctgc agcagggagc tcaagtctct cagggagcag tgcagccgcc   27840
ggcagtcgtt ctccgccgtg atgttcaacc tgtgtcctgg aacacaacac gccagacagt   27900
ttttcacagg aagaccacgc tttagatact acagataaca gctggtccag caagccacac   27960
acagcaaaac cagcag                                                    27976
```

<400> 11678

```
tttctagaac aacaacatag gcattttatt tcttttcatt aagcttctta gtttcttagt      60
atcacaatgg aatgatgaga aaacaacaaa aacgtgagtc tttgcaaatc tctgacaaag     120
agcagagatc tcaaggcaat tggggcgggg gaggcttgac agaagtgcca gagcagttcc     180
aacgtcacat ctctccttgg ctggaatggt gagaaggtgg cactgtcgtg agctgtcctt     240
ggcaattctg ccccatgagc cacgtgcgcc tggtctgcat gggccacccc gcgggatttc     300
ctggtgcctc ctagtacctg gccacacacc cctccgcctg ctccaacgcc ctgggagcac     360
cgtccagtgc tcaggtggac ccagaagcca gctctgctgg gcagcggcaa gatgtggagg     420
agcggcagag gcaggcagcg ttgcttgcgg tgggagaagc caaggagtgt gaccaaggcc     480
catctgggag acatctgtgg tggaaggtag ggctggcgca ggtggcagca gcagaagtcc     540
gtgtccccag gcagtagcag gcctagagct tcacagtgcc aggggggcagg ctgtcgttgc     600
agagtctgta gtagcgcagg tcgttgacca gcctgtgcac attctgggtg aatgagggca     660
ggtcctggaa ggcaggggca tagctgcagc caacaacaca ccaggtcacc cacccaccag     720
accccaacag ctacttccat cccagagtgt gcactgaaga taggggagca ctttctaaaa     780
ctcaaaactt ctattcactg ttgcactgcg tgtcacagag actctgtgcc aggcgctgtg     840
ggagaaaaag aacaagagga atacgtccct agggcctctc gggtgccaga cactgctgca     900
atcaacatac agacatcaac tcactgagtc ctcaccacaa ggctgccacc aagccctacc     960
agaaccacta gtctaaggac agaaagacca aagcgctgca ccatgaagaa gctggcccca    1020
gctcacactg aagagaccag cacacttgct cctgagtccg gcccctcaaa cgcagacatg    1080
gctgtggtga cagccctctt cttcaccatg gccccttgag gtgacgcgca caccgagcaa    1140
tgtctgcaga acctttaccc acggggctcc aggccgcccc tgcccctcga gagccacccg    1200
agcagcagca aacacagtcc caaggcctgt cccactgggc gcagcgtggg ccatggaagg    1260
ccctgggcca gaagtgaggc cctgacctcc gccatcatgc acacggtgag accctgcttt    1320
tttttcagt gtaggtcccg gtgaggactc aaacaggccc agcaagcccc agcagagcca    1380
tgagcaggac caagttcatt ttcctgccca accactattc ctcttccaga actccattca    1440
aagcctgcct cttcccaaag tctgcacaga tgcctcctat ttcctggccc cagcagccag    1500
ctcagcgcct ctgtcctgag caatctgctt ctggggagtg tgtgcaggct ctggggccag    1560
aacacccagg tctgcctcct gcttcgcagc tctaccactt ccaagttctg tgaactgctc    1620
accttctgag cccccaccat ctgtgaaatg ggggagtaac aggacccaca cttcagaggc    1680
ttgttagaag gcttactcga gccaagacat gtcacatgct tggcactatg tggtccacag    1740
agggtgctgt attggcctgt ctaccatgaa agacttggtg aaggctggga ctggtgcccc    1800
agttcctggc ccggggcttg agaagcagct ggcttcaaac acacagtgcg tgactgaatg    1860
gaaggtggtg attctttat tttaccctca aaaaaccaac taagggatgt ctttttaaatc    1920
agtggctccc aaatgccaaa ccagaatttc ctgggtagaa cacagaagtc tgtttctcca    1980
tttttaataa gtaccccagg tgcttctgat ataactagat ttttttttt gagacaaagt    2040
cccactctgc cgcccaggct ggagtgcagt ggcacaacct ccgctcactg caacctctgc    2100
ctcccgggtt caagagattc ttgtgcctca gcctcccaag cagctgggat tacaggcgtg    2160
tgccaccaca cctgactaat ttttttttatt tttagtagag acagggtttc gccatgttgg    2220
ccaggctggt ctcaaacccc ctaacctcaa gtgatccgcc cgccttggcc tcccaaagtg    2280
ctgagattac aggtgtgaga caccgcgcct ggcctataac tagattttga aaccacagct    2340
ttaaatcaaa aagttgactg atattgatgt cgttagaagc tgatcattaa gtattaggat    2400
ctggcctcta gaaaaaggaa aaaacatatc caggggctga agtgaactgg aagaggctta    2460
ggagagaaca agtcccaaga aaaggaagac cccaagacaa aggagaacag gatgagtcta    2520
agcaaaagct tccctgccac acgtggcaaa tgaggaaagc aggcggccag gtttgcacca    2580
gtgagagcag tgtgtgcatc tgagcactac ggtggagccg tggacaagct gcttcacaga    2640
ggactcaggt caagaacccc aagaggacca gggagaaagc gatttctttt cctaatttca    2700
tcaagtataa aacggtacaa ggaaaagttc ccagaagttc ctatcaggca agagagaggc    2760
ctggtcacct gacacaggaa gaagagaaca ggtgagcccc atggggaagg aggtcccagg    2820
cactgtcagg ctccaacaag atggcctcat ggacaccaag agccagcagc acccagctcc    2880
caccgaggtg ctgcacgggt ggggacagcc cacctgacag tccctgcaca ggtggcagca    2940
gtgggacaag agggtgagta ctaggagggc tcctcccagg acctggcagc aactcagccc    3000
aagctgagct ggggctggtc tggaaagagc ccaagacagc cggggaacct gggtcccacc    3060
tctaaccctg gggacccaga agtgcagctc ccaagcacca accatctcag cctgaatgca    3120
agcctgggca cactccaatg ctggccccac cggggctcat cacccaggag ggagaacggc    3180
agggtcctgg gtatgaacaa agatgccaag acaaatggag gggctgcaga gccaggaact    3240
cgggacctcc atggctgaga ctaagaacat acgtgctaca gacaccaaga ctggggaaaa    3300
```

10262

```
ggctgtgccc ctcaatcagg ctacagcacc aggtcagcag gcatctcgtg agctgccgcc   3360
aagctgcagg gtgggcacag accacgccca gaggcctcaa tgtgcccect ccttgctgca   3420
caggtgccag gcttgcgtgc ccactctgcc ctcctcttag cccggcctct ttctctcctc   3480
acccgatcca tcttgaaatt ccgccccagc acactttct ggttggcatc cacaccatca   3540
cagctggtca ggaactctgg gaggaaggcg gcaaagaagc catcaaagtc gactgaggcc   3600
atgttgtaga tggcgatgcc aatctcctcc tgcagaagat catgggactt gtggaccagg   3660
acctggagca gcacgttcac aaactggaac agcatggcag tccggaagat cttctgcagg   3720
cagagagacc aggtgagcag cagccagccc ccaggggcct gtcccgggtc ccatccactt   3780
tctgtcacac tctccagtga gtaacctgag ggtgggacac aggccacaat gcccctgatg   3840
gaagaatatt tccaagagct ggggcactta ccttgtggta cagcttctgc ttggtgttga   3900
gagtctccaa gtagaagaga ttttgtttaa aaaggtggat gtcgggctgg agaaaggact   3960
gtccgaaagc ctaggaaatg agaccaccat tttataaact gcaagaccaa gcacttctgg   4020
agcatctacc ccatgtcaga agaacaagtg ccagggccag ggtacccatt gtcttgatgc   4080
ttctggccca ccagctcaga cctctacgac gctcctccta agtctcagag ttcatgtttt   4140
ccccaccggg ccttgcttct tattatggtc tcatatatac ctttttaac aaacctctag   4200
aaacccatca caggacctgg ctttgaagca agaagctcac acctctagtc aaatccctca   4260
gcaatcctgg cagacagaca ccaaagcctg cctgcctgct cctgctcaag ccaagcaatc   4320
ccctcccttg ccctccttct tgcatccccc gtctcaaaag ccacaagccc tacaggctcc   4380
ttcatggagc ctccacctgg aggttaagcc tctgcctggg ggctaagcaa agtattttta   4440
aactgctttg gaattcctgg gtgtaaaagt tactagttca gtccaggcac agaagctcag   4500
tcctgtaatc ccagcacttt gggaagccga ggtgggcgga tcactgaagg gtgggagttc   4560
aagaccagcc tggccaacac ggtaaaaccc catctctact aaaaatacaa aaattagcca   4620
ggcgtggtgg cggacgcctg taatcacagc tactcgggag gctgaggcag gagaatcact   4680
tcaatccagg aggcagagat tgcagtaagc tgagatccta ccactcactg cactccagcc   4740
taggcaacag agcaagactt atctcaaaaa aagaaaaaag aaaaaaatta ctagttcagg   4800
ggcaaaaaga aacaccccgc acaccaacac aaagtgccct gctccaacag aaagaataga   4860
aagtgaccat gggggcagtg ggggaggccg gtggtctgca ggacccccct acaaaacaag   4920
tggtgactgc tttgtcattc tgtccctggg cccctaagct accagaggag gatcttgtaa   4980
tccctgcagc agggatgaga tctccatgat gaccaatagt ttccacttat ttactgttta   5040
aagttaggtt catggaagta taacagagta aacttttgag gtttatcttt ctatgaattc   5100
tgacctacct gtggatttgt accaccacca tcacaaccaa gacaggacac ttccatcacc   5160
tggaacgtcc cctcacaccc tcacccctaa ggcaaccact gctcattatc tgtccctgtg   5220
gttctacctt ttccagaatg tcatagaatg gcatgggatc ctaccatgcg tagcctttgg   5280
catctagctt ctttcacctg acagaatgca tgtgaaactc atctatgctg ctgattgtac   5340
caagaatcca tgcttgctta ttgccgagtg ccagtccctt agaggcatgc acgagcctgt   5400
tcatccattc agctgctgga tactcaaagt gtttccagct ttggcaatta tgaaacagct   5460
tctataaaca tcagtgtaca ggttgtgtga acatatgctt tcatttatct tgggtaaaat   5520
acttagaagt gagactgcta ggtcatacag taactacaca cttaactta aaagaaactg   5580
ccaaactgtg aaactattct ccaaagtgcc tttcaccagc cctcagtggg gaccaggcac   5640
cagcgtgcca aagaagtctt ccaggcaagg acaggttca agagaaaggc aggggaggcg   5700
caaacacttg agtactgcag acctgaggcc tcggtggtg ccagggatgg gaaggccagg   5760
gcaagggcac gtgcctgaaa agaactgcca cacaagagtc agtatgtgtg tgtgtgcgcg   5820
cgcatgcgca cgtgcatgcc tgtgtgcatg ctgtgtgcta gtagggagct ggaggagggg   5880
tggaaatccc tcttgcttcc ccatgaggaa aagcatgcac tgaaaatacc aaaagagact   5940
cccctagcta gactcagatg agaacgtcag acacttgagt gcagaccctg ggagcgtgcc   6000
tgacacagcc acagagcagg ctggctgtct gggcgaggtg atgccgtccc agtcttccac   6060
agcaaggggt atttagcccc cagacagtgc actctctcca atggacagct gcatctgccc   6120
tgaaagcgaa tgctccctcc cagggcagtg tttctcccag tatggtcaga gtcagaatca   6180
cagtgcaggt ctggggccct cctgcggaga ctcatattca ggcagctccc cgctaagaag   6240
gccctcggtg actctggcat aggcaggctc tttacacttg gggaaacagc actatgaggt   6300
cagcggaact gacgtttatc aagcatctcc aagtgtcatg cactttgtgt atgtcatctc   6360
atttaacctc acaacaaacc tgtgacccag gcaacattag ctccactttg cagatgaaga   6420
aactgaggct ccaagaaatt aattaacttc atcaatacta acaggcagaa ctgagcttca   6480
gacccgagac tgtggggctt cgaagacagg actcgctgca gtggtcaggt tagaggaagt   6540
cacctggcag caaccccgcc cccacgttac ctgcatgatg gcactgaact ggggctcatt   6600
ctccatctgc tcctcagcga tccccctctg gacactggcc agcacggtgg acttgaagaa   6660
gtacctccag ttgtgatgga gcgtccggaa aaggagctca aacagctcgg ccttcacatc   6720
aggggaggga cgctgcaaag acacacagac gctcagacct gcagcttgcg gagctgctcc   6780
ggcctgggcc cagggcagca aagatgccta ggagacgcct cgtgacagca agccgagtgt   6840
caacactcca tccacatgcc tgtcactacc tgcgcaaaag acatccagcc cctggagtcc   6900
tgtcactgcc tgtgcaaaag acatctagcc cctggagttg gcggttcaca ccgcgagttc   6960
```

10263

```
ttcaggagag acatggccca catttgagag agaatgcacg ggtcagtgcc aagggcccct    7020
ttttctgatg agcactcagc ttttacacta gaaaaaagct accaagtgga tgaacaatta    7080
ggagtatgga tttcctgttc tattcgacct gtcagatctt cttgcttgtt ccttttccca    7140
ggataaaaaa tgctgtccca ctaacctgtt ggtcttacac aaccacggag gctaaagaca    7200
gacccaacgc cttaaagcga ttctgctccc cagaagggga gggtttaaag aacacttggg    7260
agccaggctc tctgggccag tctcctcttt cccagtagcc aggattctga gaggagttag    7320
aggagaaggg tcaggctcag cagtgttttc tcattgactc caactccccc aatcccttat    7380
tccaaatgtc tctgcagaat tcaaaattag aaggcccaca tatattcagt tcagccttga    7440
ttaaaattaa atagacacca ggggccacaa gcatccacag aagaagcctc ataggcccag    7500
tgcatttcgt aatgcacagc aaccagacct gtcccagtct cagttcagac agttaaagat    7560
taactcttat ttatacgact attaccaaaa aaactgaaat taaatctata cttattccgg    7620
gtcttattat gctgagtgcc tgcctatttt ctaaggagga caaagggctt tcctgtaaca    7680
ctgaaaggtt tgtttgaatg gtttcaagaa cttgccttgt atcctcgaga ccatgaatgt    7740
ttctaatagg aaagtacata tgttagaatg tttgctatag aaaaccagag tctcttaaag    7800
gtataaaatt tgccgcagga gactgatctt agcaactgac cctgtggaat aactgccatg    7860
cttacactag actagctcca atgaactcaa tcaatataaa aacactgtac cacaccacta    7920
aaggccttct tccttgggag aaactacttt acaagcatat taaactaaca aatgaacttt    7980
aaaacacaat acattttctg tgaaatctca ttcccttccc aatctggaga tggggggtgc    8040
tgcacagggg accgtctgag cccctacctc ggcaatgatg ggatacactt gctccatgca    8100
cagggcgatg atgctgggga ggaagggctt gaacacctgg cctggctcct ggaccaccac    8160
ctgcaggatc ttcagaaact tctccaccac ccggcagcct gtgctgccct cgtggaggat    8220
gctctcggct aactgctctc tacagaggag aaagccacac agtgagcaac cacatgtttc    8280
tctgggggcc agcatgaaaa cccatgctgt ggcaagtgca gaacaggagc aaaaagccac    8340
actttgtcgc cagacccacc acttctccct tgaatctgaa aactatagat ggtgggtctg    8400
tgcttacctg gtaaacatgt tgaggaaagt ctgtatgatt tgctcagtga aaggcacacc    8460
catctgtact ctaaggcctc gaaacagagt gaggaagaag ctcagcatct catcagtcac    8520
atctgaggaa aggggcagag atatcgtcag aggcttgcac acagtgagaa ccagaaccct    8580
gggcttcatc aacctactcc tgaaatctgc actatcagct ttctctacag cttcctgctg    8640
gaaacatttc cccaacacca tcagggccaa tgatggaaag tggaaaacga ttagggacat    8700
gctgagaaaa tagttctggt atagggaacc tccacctggt ggctcactac aggaaatgaa    8760
ggtcatctcg aaccctccct cattgcccga catccagtga tggtcagagt ttcactggag    8820
agggatcact ttgtgcccac actgatgaat gccaactggg tcaacacctg agtgcttaag    8880
ccatttcccc ctatgactaa taatccctgc agctgggtca ggggttaagt ggttgaaagt    8940
ggataatgaa ggtgtattta ggttgcatgg ccctggtcca ttaaatggat taattgcaga    9000
aaatactggt tacatatagg gcagtttcac ttccagatct caacaatcat cttgtgtagt    9060
gtgtttcagc cctaactgca cgcaatctgc ttgcaagagg caatgaatat ttgctgactg    9120
agaagtgcct gatatttctc ttgtaaaact gacaagacta ctataatgct gtcatgagag    9180
ctaggcaagt acatccacag agctagagag gccctctatc actgacagtg acagacaagg    9240
gtgaggggaa cgatctcggc aaatgcacct tgccacaaaa taggagaac taagccaaaa     9300
aagctctctt gccttctctt gtaggtgcca aggcccatat ggagagctct gctcactttt    9360
ccaaagggcc ttggccctag actccacaaa taaacatcac tgcccttttcc cctcagtacc    9420
gggtttcgtt gcacggaaca agtcaaggcc tgtactgcac cgactcagtg tgttctacag    9480
atctaagtgg gtattctggc ccttgttagc accacccacc agtggggcct ctgggccagc    9540
tcctacctga ctgatggata aaagctggaa agagggccag ggagacctga acagattcct    9600
gcagcgactg gtagcaaatc tgtcgagact tggtggactc ccccgagata ttctccacaa    9660
tatcttctaa gacgctgagt gtctggtgga taatcagttt gg                       9702
```

<210> 11679
<211> 524
<212> DNA
<213> Homo sapiens

<400> 11679
```
ttttcttttt tttttttttg ttttcaagaa gaaagaggca atgcagcaaa gtggtgcaga      60
acacaggagc tggagccatt cagacccaag tccaactctt gacctcgccc actttctcta     120
cagtcctgag caattacacc tgccaagcac cttcccaatg gacagactgg caggccctac     180
tcccaacagg catccagact gagcatcacc aaggatggga caaacagaag caatgcaaga     240
ggaaatgcga acacgaacat gcaccactac accacaacct atggaaacaa tcaggcaaaa     300
caagactagg agacatatga caagaaaaca ggcctggacg cttcaaaaat gccaatgtca     360
cgaaagacaa aaactgggca tgctcttctg gatcaaagga gactaaagag atataacaac     420
```

10264

```
caaacacaat aaaactatcc tagattacat cctggatttt ttaaaagcaa aaaagaacaa      480
tttggtaaca actggggaaa gtgttaatgt ggctacattt taaa                       524


<210> 11680
<211> 700
<212> DNA
<213> Homo sapiens

<400> 11680
aacagccctc tggggcaaga gcatacctgt gatcataaca ggaaggaaaa aagctgggaa       60
gaaaagaaag aaggcagcca atgaaggaga tattcagaat gattgttgtc ctcgccactc      120
catggaaatt gctcttttca aagcatcagt gacttctgtc ttgccaaatc caaatgtcgt      180
atcttttacg acttttagca acattcaaac caggtgatta ctatgccttt attgcaactt      240
tttttattct attatttcct tccttcctac cttccttccc ttcctcctga gacacacacc      300
ttcctgtttt ttcccctaac cataccaggc attttttcca gaaccacttt cctggaggtt      360
cttctgctcc tgattctaaa attcgcagtg ccttggctct tctccttcta aacacactct      420
ttagcaggtc ctgtctattt gtttccaagg ctgtaaattc ctcctgtcca ttcatgactt      480
ccaagtttat aaccccagcc ctgacttctc tgtgctcaag actatgcgtg cacacacgcg      540
cacgcacgtg tgtgtgtgtg tgtgtgtgtg tatgttactg catagttgag ctttctagtg      600
caatgtcaaa caggcagctc aaacttata tgtgtaaact agaatcattg ttttttgaat       660
caagactgct cctctccaa ctgttcctac cccaaccatc                             700


<210> 11681
<211> 99
<212> DNA
<213> Homo sapiens

<400> 11681
ggcaagatct cggctcactg caacctccac ctcccaggtt caagtgattc tcctgcctca       60
gcctcccgag tagctaggat tacaggcgcc tgccaccac                              99


<210> 11682
<211> 1414
<212> DNA
<213> Homo sapiens

<400> 11682
gcaaaatctt acatgtttaa aaacatataa ttttttgtat ctgaatttag aataaatcat       60
tttaatgcat cttaaatcac gtcacctaat cataatagtt gtggtaacta atcattagtg      120
cagagcatgc agataaaaaa tatttgaatt ttttttttctt ggaagtacat gtagttatga    180
gtaggttaag agaatatcta attttcctac tctttttttc atctttagca tttaatgttg     240
aaacaccatt cacgtcacat taaggaccca ctgaaaatgt attgttttaa tgcataattg     300
acttacctaa ttaaacatac acacaaattt aattattttt ttctctttaa cctgatcacg     360
acacagctct taatcattgt cactttcagt atatcatagt agttagtagt agattgcctt     420
gatggcagta attctgtagt aatttctatt caatcaaacc taagagagct ttgatcttac     480
tgtaaaggta caaacaaatc tcttatataa ttcctagctt tttttttttgt ttatgattct   540
gatcaactat aagacacaat gtaaagaatt gtggcttata atttatctga aatttattag     600
cttagtttag tttgggcagg agttacaaac ttaataggaa ttgtcatttt acttacagtt     660
tatttcctga ttagttgtta attttttttcc cctcagttat ctttattcag tcttattggt   720
caaaacaaag aaacaaatag tccatcaact aaaataagct gtaatgaatt tagaagatga     780
atgcatatat tagatttcca tttaaatcac ttctgttata aatcatataa agaactttaa     840
acttgtttta tctaatactg agcactgttt ttttgtcaag tattttttta agaccacata    900
attcttttg tctgctcaag gaaaggatag ataaataatt ggcacacatt tgtttctcac      960
tgaattttac agtagtaaat taatgttata atgtaccaca tggagatgag ttggtaagaa    1020
atcatctagt tccagagccc agagattata aacagtaggt gaaatagatt tatgacttac    1080
gaaatatgtt gtgacaatat atttaaatgc atttttatat tacttgcata ttctcacatt    1140
gatttgtgca atagttcagt tttaaaaaaa atcttcctat gcatcatgta tttttatttt    1200
atttattttc acaagtattt gacagtatgg tagaataaaa gatgattgta agattaaaaa    1260
```

10265

```
tgtaaaaatt gcttatgtat tattctgaat tgtgttaggt tgaaaaagat gattgtggtg      1320
actattattt cttgtccact atttgttttt tgttttttca ccagataatg tcttcatatt      1380
tgaacctatt caataaagac atgaagcata aaaa                                  1414


<210> 11683
<211> 2440
<212> DNA
<213> Homo sapiens

<400> 11683
aggccagatg gggactgtgc atcttccctt aatggtggaa atattaaagg cattgaagga        60
cattcacctg gaaacttacc aaaattctgc catgagtgtg ggactaaata ccctgtagaa       120
tgggccaaat tttgctgtga atgtggcatt cgaagaatga ttctatgaat agaatctcaa       180
aaaaaaaaaa aagccaagtt cagagtttat gattattgct gcttggacag ctagagcaca       240
tcctctagtt agtttgtgct aaaaatactc gaaataccat ttccagttaa ttttgaagtg       300
taatcttttg gctatataat gtgtgtatgt ttatatgtgt acatatactg tatataataa       360
atatctgata ccccagactg tgtcattcaa ggaaatattc acttatctgt cagaaaataa       420
tttcaaatgg aacaattaat ttaggtgtta cttttctgtt gttgttaaag cacgttaagt       480
acatttccac aaactctcat actctagtgc ttagcccttc aagctttagg ataagtataa       540
ctttgagcaa aaaatttgga taaacatttg tattattggt gcctatcttc agatagtatc       600
atagtaggat agatgctggg aattttgtaa ttaaagagaa cagtttagt taccattagg       660
tatgttaagg tcactcctgt agagcatgtc aacaaattat ttcataaatc cgaaaaacta       720
agagaaaaaa aaacccctct attagttacg taatttaaac atcttacttg ttttgtaaaa       780
gtgtaattat gcaatttcct tttcaaatac acaagactaa aaatacaaat ctatcttgtt       840
ctatttataa ctgatttttt ttagttctgt atgtattcgt tgaacatatt tttttacttc       900
caattgtttt tccagatttc acttttcctc ttttttccata acccgtgaag atagtttaa       960
tttgctagtt catttttttgc tgtatttgaa aatgtaatta tttaatatag aaggcacaga      1020
attccctgca aaatcttaca tgtttaaaaa catataattt tttgtatctg aatttagaat      1080
aaatcatttt aatgcatctt aaatcacgtc acctaatcat aatagttgtg gtaactaatc      1140
attagtgcag agcatgcaga taaaaaatat ttgaatttt tttctttgga agtacatgta      1200
gttatgagta ggttaagaga atatctaatt ttcctactct tttttcatc tttagcattt      1260
aatgttgaaa caccattcac gtcacattaa ggacccactg aaaatgtatt gttttaatgc      1320
ataattgact tacctaatta aacatacaca caaatttaat tatttttttc tctttaacct      1380
gatcacgaca cagctcttaa tcattgtcac tttcagtata tcatagtagt tagtagtaga      1440
ttgccttgat ggcagtaatt ctgtagtaat ttctattcaa tcaaacctaa gagagctttg      1500
atcttactgt aaaggtacaa acaaatctct tatataattc ctagcttttt tttttgttta      1560
tgattctgat caactataag acacaatgta aagaattgtg gcttataatt tatctgaaat      1620
ttattagctt agtttagttt gggcaggagt tacaaactta ataggaattg tcattttact      1680
tacagtttat ttcctgatta gttgttaatt ttttcccct cagttatctt tattcagtct      1740
tattggtcaa aacaaagaaa caaatagtcc atcaactaaa ataagctgta atgaatttag      1800
aagatgaatg catatattag atttccattt aaatcacttc tgttataaat catataaaga      1860
actttaaact tgttttatct aatactgagc actgttttt tgtcaagtat tttttaaga      1920
ccacataatt cttttgtct gctcaaggaa aggatagata aataattggc acacatttgt      1980
ttctcactga attttacagt agtaaattaa tgttataatg taccacatgg agatgagttg      2040
gtaagaaatc atctagttcc agagcccaga gattataaac agtaggtgaa atagatttat      2100
gacttacgaa atatgttgtg acaatatatt taaatgcatt tttatattac ttgcatattc      2160
tcacattgat ttgtgcaata gttcagtttt aaaaaaaatc ttcctatgca tcatgtattt      2220
tattttatt tattttcaca agtatttgac agtatggtag aataaaagat gattgtaaga      2280
ttaaaaatgt aaaaattgct tatgtattat tctgaattgt gttaggttga aaaagatgat      2340
tgtggtgact attatttctt gtccactatt tgttttttgt tttttcacca ataatgtctt      2400
catatttgaa cctattcaat aaagacatga agcataaaaa                            2440


<210> 11684
<211> 297
<212> DNA
<213> Homo sapiens

<400> 11684
tttttgtttt tttggtttgt tttttaagac ggagtctcgc tctgtcgctc aggctggagt        60
```

```
gcagtggcgc aatctcggct cactgcaagc tgtgcctccc aggttcacgc cattctcctg    120
cctcagcctc ccgagtagct gggactacag gcgcccgcca ccacgcctgg ctaatttttt    180
tgtatttttta ttagagacgg ggtttcacca tgttagccac gatggtcttg atctcctgac    240
ctcatgatcc acccaccttg gcctcccaaa gtgctgggat tacaggtgtg agccacc       297


<210> 11685
<211> 9747
<212> DNA
<213> Homo sapiens

<400> 11685
gcccacgccg gccggttggg gcgaagggtg tccccggcct gtgccagcct tgagtagatc     60
ttttcgctag aagattcctg tgccctcagg tgggcgccct ttcctctcac cactccctct    120
cctccggagc gggccgaggt gagcgggtgc cggccttggg gctgcctgag tgctaggcag    180
ggtgtggtcc tgggcatcct tgggcctacc agcgagccct gctcagggtg tcgggcgccg    240
gcgggcagta ctggcggggg cggccgcagt cccggccttg ggcccgttaa gggggccggc    300
gtccctccat atgcccccccg gggcttctcg gacttgatgg gccctggtcg gttcacgccg    360
cttgtcccat tgatcctcac gacaagcctg ggacgtaaga acggcggatt cgtaggcatt    420
tttcatccat ctcggttttg tggatgaaaa gactgaaaat ggaagacttg ccaaataagg    480
aaaatatgtg gcgtggcctg ctggtcccct gacagctaat tgagaggcct taactctcca    540
gaggattcgg gccttctgtg ttacatagag aatgctcatc tctcccaggc tactcctaat    600
atgctaggga ttgtgtggaa tgctttacaa acattaccca atttcatcct cttggtaatt    660
ctacttggtt ggtattatcg ctgtttaaa aaatgaaata agaacgcgtg actaaatgct    720
aggggattc taatgcgcat tcggttgcct cttccagagc acgtgtttgt tttttgtttg    780
tttgttttt gagactgcac gtgtttgttt tttgtttgtt tgtttgtttg tttttgaga    840
ctgagtctca ctctgttgct catgctggag tgcagtggcg cgatctccac tcgctgcaac    900
ctctgcctcc tgggttcaag cgattcttct gtctcagcct cccgagtagc tgggattaca    960
ggttcccacc actacgcctg gctaatgttt gtatctttt tagttagaga cggggtttca   1020
ccatgttggc caggcttatc tcgaactcct gacctcaggt gatccgcccg ccttggcctc   1080
ccgaagtttt gggattacag gcgtgaacca ccgtgcccgg ccagagcacg agctttttaa   1140
cctctgttga ggaaacgggg accggtcacg tagctcaggc ctgtaatcct agcacttcgg   1200
gaggctgagg cgggaggatc gcttcagccc agaagtttga gaccatcctg agtaacatag   1260
tgagagcccc·ccgtttacac acacacacac acacacacac acacacac actttttta   1320
aattgaggaa acggtgagtt gaacatgagc aattattcct tatatatagt atttccttag   1380
ttttcttct caacattcat ttgcccagtg aaaagaaaaa gcaagtagct gggaccacaa   1440
gcgcacacca ccatgcctgg ttgattttc tattttttgt agagatgggt ttctccgtgt   1500
tgcccaggct ggtcttgaac tcctgggctc aagcaatctg tccgctttgg cctcccaaag   1560
tgctgggatt ttaaaggcgt aagccactgc acccggtaac tttgggttct tgaattccct   1620
tcctcctctt cttcctcctc ccctacactc cattagagaa agggtcttgc tttgttgccc   1680
aagctggagt gcggtggttg ttcacaggca tgatgatcac tgcagcctgg gctccagtgg   1740
tccgcatacc tcagcctgcc agtagcaatt tgtttggcac atcacttaca catacttgat   1800
atgagatagc atgatacttt tttgagacgg agccgcactc tgtcacccag gctggagtgc   1860
agtggcccag tctcggctca ctgcaacctc tccctcctgg gttcaagcag ttctgcctgc   1920
cccagtctcc cgagtacctg ggattacaga cgcccgccac catacctggc taagttttc   1980
tatttttatt tttagtagag acagggtttt gccacattgg ccaggctggt ctcagatgat   2040
gcgcctgcca tggcctccca aagtcctggg attacaggcg tgagccaccc tgccaggcca   2100
catatgatat attttatcaa tgccttatct acatgttaca taggaataat ctagcgtcct   2160
acctgtgtaa aaaccaactc tggaatactg aaactgagct acttaatatt ctgaaaatca   2220
ggacgggtgt ggtggctttt ttttgcctgt aatccgagca ctttgagaag ctgaggcaag   2280
aagatcgctt gaggccagtt cagaacagcc ccatctgcac gagaaattaa aaaattagct   2340
aggcgtgcat gcctgtcccg ctactcagaa ggctgaggcg agaggaacac ttgaactcag   2400
gagttcgagg ccaacctggg caacatggca aaaccccatc tctaccaaaa aaaaaaaaat   2460
ttaattagcg ggacatggtg gcatgtgcct gtggtcccag ctacacagaa ggctgaggtg   2520
ggaggattgc ttgagctggg gaggtagagg ctgcagtgag ccgtgattgc cccaccgcgt   2580
tccagcctgg gcaacagagt gagactgtct caagaaaaag agatgaagga agtgagaagg   2640
tgctgattga tacttacctc acactgagcc tttttccccc ccacagactt atcactgaac   2700
catttcactg ggaaagtaaa aggaccacat atttcttggc cgggcatggt ggctcacgcc   2760
tgtaatccca gcactttagg aggctaaggt gggcggatca tgaggtcagg agatcgagac   2820
catcctggct aacacggtga aacccçatct ctactaaaaa tacaaaaaat tagccgggcg   2880
tggcggcagc cacctgtagt cccaactact caggaggccg aggcaggaga atggcgtgaa   2940
```

10267

```
cccgggaggc agagcttgca gtgagctgag atggtgccac tgcactccag cctgggcgac   3000
agagtgagcc tccgtctcaa aaaaaaaaaa aaaaaaaaaa gaaggactac atatttctca   3060
atgaaaatac agtgtacaat gttttccatg caggtgtaaa tactaactca tgttctgttt   3120
cagggtggga gatggaataa cctgtagaaa gaatctttag atttgtttaa attatacaca   3180
aatgataaga gatctttctg aaagtattga ctttttggcg ggggagggaa ggggcctgat   3240
agaacaacca acaattgtac actttaagtt tacatttaga gttcacatta aaagttcatt   3300
tacaaggcat ctgtttgaaa ttcgtgagga tgagctgggc tgggtggctc atggctgtaa   3360
tcccagccct tgggtggctg aggtggacag gtcacctgag gtcaggagtt caagaccagt   3420
ctggccaaca tggtgaaacc ccgtctctac taaaaataca aaaattagct gggtgtggtg   3480
gtgggcgcct gtaatcccag ctactgggaa ggctgaggca ggagaattgc ttgaacccag   3540
gaggcagagg gtgcagtgag ctgagatctc accattgcac tccagcctgg gcaacagagc   3600
gagactccgt ctcaaaaaaa aaaagaata aatcacaaga aatggttcct tcactgttat   3660
actttaacat gatacagctt tttaatgttt tattttttga gagagagtct cactgtgttg   3720
cccaggctgg agtgcagtgg tgtgatcata aattcttggg ctcaagtgat gctcccgctt   3780
cagcatccta agtagctggg actacaggct tgtgccacct cacctggcta attttttta   3840
tttttggtag aaatagaatc tgtttgccca ggctggtctt gaacactggg cctcaggcag   3900
tctttgtgcc tcagcctccc aaagtgctgg attaatggtg tgagccacag cacctggcca   3960
atagctttat tgagattata attcaactat catgatttat tcatttaaag tgtacagttc   4020
agtatttttt agtatattca cagagttgtg cagctgtcac caccatataa ccttagaaca   4080
tttcatcatc accaaaagaa accctatact cattagcagt ccctcatatc ccctgcttct   4140
acctaggtaa ccactaatct actttgtggc ctatagattt gcttattctg gacatttcat   4200
atacatgaaa tcataaaata cctgatcttt tatgattggc ttttacttag cataatataa   4260
attttttttt tttttaatt tgtagagaca gggtcctgtt atgttgccca ggctgatctt   4320
gaattcctgg gctcaagtga tcctcctgcc ttggcctctc agagtgctgg cattataggt   4380
gtgagccact gcacccagcc attagcataa tattttagct gggcacagtg gcatgctcct   4440
gtagtcccag ctactagggt gactgaggca ggaggatcac ttgagtccag gagtttgagg   4500
ctgtagtgag ctatgatggc atcactgtac ttcagcctga gtgacagagg tagaccctgt   4560
ctctaaatat tttaaggttc attaaaataa tatattttca ataaataat atttcaataa   4620
aataatattt taaggttcat tcatgttata gcatatgtca gtgtatgatt cctttttctg   4680
gctgaataat attcctttgt atggatatac caggtgttta acatttgag gaactgctgt    4740
acagttttcc aaagcagctg caccattta tattcccact agcaaagtat gagggttcta   4800
atttctccac atccttgttt ttacctacct ttttttatta tagtcatcct agtgagtgtg   4860
aggtggtatc tatggtttca gtttgcactt tcctaatgac taacggtgtt gagcctcttt   4920
catgtgtttc ttgactgttt ccgtatcttt tggagaaaag tgggttcaga tcctttgccc   4980
atttttaat tggattatta gttgtaagag ttcttcatat attctggata taggtccctt   5040
atgagataca tgatttgcaa acataacccc gcttctgtgg attgtctttt tactttcttg   5100
acagtatcat gtgcaacaga aagtttttga tgctgtccga tttctctgtt ttcttttgtc   5160
acttgtactt gttatagtat ctaagaaacc acaaaggcca tgaagattta tttctatgtt   5220
ttcttatcag agtttttataa ttttcttata aatttgggtc tgtgatctgt tttgagttca   5280
tttttgtgta tggtgtaagg taggggtctg aatccattct tttgcctgtt gataacaagt   5340
cggtctagca ccatttgttg aaaggactgt tctttccctg attatattgg tagcctgtag   5400
tattggtttt tatatactat tacaattttg ggaaaattca gtacagaatt acttggagca   5460
tgttgatttg tctgagaaaa ctgtgaatac cagtttcatg attttagggt aactacaaaa   5520
tgtatattat attctatcct ttgtcagatg tgttaattta atcgttttat ataaggtaag   5580
aatgctgtac ctctgtctaa acacagaaat aacatgtatt ttaatataaa gaatgtggaa   5640
cttctaaact ttgaggctaa ttttttcctgc ataaattctc aaattattgt gacatgatat   5700
ttcataactt tactagtaga atccttccct gtgttattaa atatccacta aagtctctag   5760
taaagggaat atgatttaca gaacaaattt aatgtgttag tttaattggt gttaatttaa   5820
ttataattgg tgaactatta catactttc ttagttcctg ttttttgtt ttttctttac   5880
agcaaagtat ccagagataa agtccttgat gaaacctgat cccaatttga tatggattat   5940
aattatgatg gttctcaccc agttgggtgc attttacata gtaaaagact tggactggaa   6000
atgggtcata tttggggcct atgcgtttgg cagttgcatt aaccactcaa tgactctggc   6060
tattcatgag attgcccaca atgctgcctt tggcaactgc aaagcaatgt ggaatcgctg   6120
gtttggaatg tttgctaatc ttcctattgg gattccatat tcaatttcct ttaagaggta   6180
tcacatggat catcatcggt accttggagc tgatggcgtc gatgtagata ttcctaccga   6240
tttttgagggc tggttcttct gtaccgcttt cagaaagttt atatgggtta ttcttcagcc   6300
tctctttat gcctttcgac ctctgttcat caaccccaaa ccaattacgt atctggaagt   6360
tatcaatacc gtggcacagg tcacttttga catttttaatt tattacttt tgggaattaa   6420
atccttagtc tacatgttgg cagcatcttt acttggcctg ggtttgcacc caatttctgg   6480
acattttata gctgagcatt acatgttctt aaagggtcat gaaacttact catattatgg   6540
gcctctgaat ttacttacct tcaatgtggg ttatcataat gaacatcatg atttccccaa   6600
```

10268

```
cattcctgga aaaagtcttc cactggtaag taaaggattt gatacatatt ctaattttgt    6660
tttttcattt gtttgttttt tgagacggtg tctcactcag tcgcccaggc tggcgggcag    6720
tggcacgatc tcggctcact gtaacctcca cctcccgggt tcaaacgatt ctcatgcctc    6780
agtctcccaa gtagttggga ttacaggcgc atgctaccac gcccagctaa ttttttgtatt   6840
tttagtagag atggggtttt gccatgttgg ccaggctagt attttgtcag tccaagcagt    6900
tcattaaaaa aaaaaaaaac aaaaagagca agaatataaa tactgcatct tccagcctac    6960
ttttacaaag ggttcactct tgggtcctta agcttagtgg ttacacttag gatttatttt    7020
taattttatt ttttaacttt atgttttttt agagacaggg tcttgccctg tcacctagtc    7080
tagagtgcag tggtacgata gctcactgca gcctcaactc ctgggtcaag cgatcctccc    7140
acctcagcct cctgagtagg caggattata ggcacgtgcc accatgcctg gctaattttt    7200
tattttttgt agaggcaggg tcttgctgtg ttgctcaggc tggtctcaaa ctcctggatt    7260
caagtgatcc tcctgcctca gcctcccaag tagctaggac tacagccaca tgctatgaca    7320
ggctgatttt ttaaataatt tcttttaatc ctccaaatgg tttgttaaaa tttttaacat    7380
ttttaacatt tttatagagc tggagtttcc tggatgggtg cagtggctca cacctgtaat    7440
cccagcactt tgggaggcct aggtgagtgg atcatctgag gtcaggagtt cgagaccagc    7500
ctggccaaca tagtgaaagc ctgtctctac taaaaataca aaaaacttag ctgggcatgg    7560
tggcgggtac ctatagtccc agctactcgg gaggctgagg cgggagaatc gtttgaactc    7620
gggcagtgga ggttgcagtg agccgagatt tgccactgca ctccagcctg ggtgacagag    7680
cgaaactccg tctcaaaaaa aaaaaaagag agagatgggt ttccctgtgt tgcccaggct    7740
ggtctcaaat tcctgggctc aagtgattct cttgccttcc agaatgatgc tgggattata    7800
catacgaacc actgtgccca tccagatagt tttttaactt gagatgaaaa gacattttta    7860
acttgagatg gcagaattgc acatttgata agtgcttttt tttttttttt tttttttttg    7920
agatgagtct ctctctcacc caggctggag tgagtggcac aatctcggct cactgcaacc    7980
tccgcctccc gagttcaagc aattctccta tctcagcctc ctgagttgct gggactacag    8040
gcgcacgcca ccatgtctgg ctaatttttt tgtattttta gtagagatgg ggtttcacca    8100
tattggttag gctggtctcg aactcctgac ctcaggtgat ccacccgcct cggcttccca    8160
aagtcctggg attacaggta tgagccaccg cacccagcca agtgcttaat ttctatctaa    8220
ttagcatgcc acaatttatt agtatttgta agttcctgga tggcagggat cagatgttgc    8280
ctttatattc tatggcgtca tccatgcagt acattcttta ataatatcaa gttaatctaa    8340
ttgtatgtat ttgttgttaa ttttacaaat aagccagata tttagtccct tggaatgtga    8400
tgggagagag acctagaggg tcgagtgtat tcaactgctg ctgaaatgta gactgctttt    8460
tgtttagaat tcccacagct gctgctgctg ctgctttttt tttttttaa gagagaggag    8520
ggaggcaggt ctcatggttt cccttctcag tgtttgtgtc aaccattcat cagtcatctt    8580
tgaaagaacc tagtaacact cattttttcat cttgctgtat tttttcccttt ctaggtgagg    8640
aaaatagcag ctgaatacta tgacaacctc cctcactaca attcctggat aaaagtactg    8700
tatgattttg tgatggatga tacaataagt ccctactcaa gaatgaagag gcaccaaaaa    8760
ggagagatgg tgctggagta aatatcatta gtgccaaagg gattcttctc caaaacttta    8820
gatgataaaa tggaatttt gcattattaa acttgagacc agtgatgctc agaagctccc    8880
ctggcacaat ttcagagtaa gagctcggtg ataccaagaa gtgaatctgg cttttaaaca    8940
gtcagcctga ctctgtactg ctcagtttca ctcacaggaa acttgtgact tgtgtattat    9000
cgtcattgag gatgtttcac tcatgtctgt cattttataa gcatatcatt taaaaagctt    9060
ctaaaaagct atttcgccag gcacggtggc tcatgcctat aatcccagca ctttgggagg    9120
ccaaggtggg tggatcacct gaggtcagga gttcgagacc agcctggcca acacggtgaa    9180
accccatctc tactaaaaat gcaaaaatta gccgggcgtg gcggcacatg cctgtaatcc    9240
cagctacatg ggaggctgag gtgggagaat tgcttgaacc caggaggcgg aggcagaggc    9300
tgcagtgacc caagattgtg ccactgcact ccaccctggg caacagagca agaccccatc    9360
tcaaaaataa ataaatatat ataaaaaata aaaagctatt tctagtttat ttcactataa    9420
agttttgctt tattaaaaag ctaataaaca gctattaatc acagtgtatt agtatttgtt    9480
acattttgt atttcactat ctttatacta tataatatgg taacttgggt accgggggaa    9540
ctttaaaatt tcatctcaaa aataattttt aaaaagcctg aggtatgata tagcataaaa    9600
gattgagatg aaaatatatt tccctgtaag ctgaattact catttaaaaa ttttaacttc    9660
tatatgggac ccgaattaga cactgctgaa tcctgtacag ccttactcat aaataaagta    9720
cttactgaat ttccaccatt caaattc                                        9747
```

<210> 11686
<211> 554
<212> DNA
<213> Homo sapiens

<400> 11686

```
agtactttgg gaggctgagg caggtggatc acgaggttag gagttcaaga ctagcctgac      60
caatatggtg aaaccctgtc tctactaaaa aaaatacaaa attatctggg catggtggca     120
tgtgcctgta gtcctggcta ctcgggaagc tgaggcagga gaatcgcttg aacccaggag     180
gcaaaggttg cgtgagccga gatcacgccc tgcactccag tctgggcgac agagcaagac     240
aacgtctcca aaaaaaaaaa aaaggccagg cgcggtgcct cacgcctgta atcccagcac     300
tttgggaggc cgaggtgggc ggatcacgag gtcaggagat caagaccatc ctggccaata     360
cggtgaaacc ccatctctag taaaaaatac aaaaaattag ccaggcgtag tggccggcgc     420
ctgtagtccc agctacttgg gaggctgagg caggagaatg gcgggaaccc aggaggcgga     480
gcttgcagtc agccgagatc gagccactgc actccagccg gggcgacaaa gtgagactac     540
gtctcaaaaa aaaa                                                       554


<210> 11687
<211> 94
<212> DNA
<213> Homo sapiens


<400> 11687
ctccgtctcc tccgcgctcc gccacagccg gccgacacca caccagccgg ggagccgccg      60
ccgccgccgc cacctctgag cagccggctg ggag                                 94


<210> 11688
<211> 5365
<212> DNA
<213> Homo sapiens


<400> 11688
attagagcat ctcgagcaac taaagcagca cgtcgaaccc ttggtgatta gatatatcag      60
atctcctcat tagacacctt agaagtcagg aagcatgaaa cttgtgaact gttgagttct     120
gtctttccca gatatctgct gaacaaaaat atcctactat gctgccaatt acatttgtat     180
ctgataaaat gtgtctgtaa gataaattta gatatgtgta aatcccatt tatagaaagt      240
aagcaaaagt taacatctct catcaaatca ttcattacaa tttcagaact gtaaacagtt     300
tggtagtgga ataagtgaat attattggac attcttaaag tgaatatggc aaatctgtct     360
acctcagtgg atacaccggt ctcagaagac acctgactgg ttaaaaatgt ctgacccatc     420
cccgcaagcc cttttttttt ttttaaatg tttcccgatc ttgtggtagt cttatggtaa      480
atctaagctc ctaaaggatt ttaaaggagc ttagcaatta gaactgctta cagttaaatg     540
gattttttaa tgggcacact aactagagtg taatgtgtat attatttgtg atcatagcat     600
tagttctttt tctgctatac cctgcatatc ttcaaagtca cagtgtgtgt cctgccatct     660
cattagtgaa ttgtacctag attatgtgtg tgcccctttt gtatgatgtt tctggaacgc     720
tataagcagc ttttagagtc aaatgcattc attttaactg gctttatgtc ctagtggttt     780
catgactaca aatttgaatt atcttactgc ataacataaa aaatgtctgg ctttagcaat     840
taatgcccga aattattttg ccctgcaatt gtcatacctg tatgaaacct gtcccagttt     900
gcttaagtgc acaactgatt atgtattcct gtgtgtatgc taatatttca caagtgtttc     960
atgcatcctt ttttaaaaaa ctactaacca gaatattatc gtagctactc attcattctg    1020
ctttctgctt cacctataat aatcttttag gactgccttc tgattttca cctatctttt     1080
aatgtaagca ttaacaacta agactttcat aaaagcactg tatcttaact ttcctggcct    1140
aaatcaaaaa aaggaaaaca ttgataagtg tcctagaaac ttggattctt ttatagattt    1200
gttcttgggg ctctgatgtt tgggattgac gttctgtgct gaccatttta tatgcatttt    1260
atcttaatag tatgtgcttt catgaagatt ctgatacaag tgggcaatcc ttaaattatc    1320
tttgaaaaat tggttaattt tggttaaaaa agggaaagtg gctgggtgca gtggctcacg    1380
cctgtaatcc ccagcacttt gggaggccgg gacgggtgga tcacaaggtc aggagttgaa    1440
gcccattctg gccaacatgg tgaaaccctg tctctactga aaataattgg ggcatggtgg    1500
cacatgcctg taatcccagc tacttgggaa gctgaggcag gagaattgct tgaaccgggg    1560
acccaggagg cggaggttgc agtgagctga gatcgcgcca ctgcactcca gcctgggcta    1620
cagagcgaga ctctgtctca aaaataaat aaataaataa atgaaaaga gaaaatattg       1680
agaggatttg gtcatcattt tactgctctc ttcatgtgat ggaaatcaat tttccttctc    1740
aaatgggatc agtatcattt cctagtcata catccatcca gttttgtta cttttttgtt      1800
ggcatacatt aatcaaaata gctctgcttc attgaggcat gcagtcctca gactctcggt    1860
ggaaaggctg tcatactatt agtgaccata gtaacttttt ataccaaagg atggttgctg    1920
gataatttta atatctttac caataaagta ctttttggaa atacaaaatc aggctgcttg    1980
```

```
ctttgctcta ttcctgtcaa caaaaaggat ttagctatag atttagcttc tcctttatt    2040
ttcctttta tttcatagga gtcttctgtt tattcctttc aggcgcctcc ttggcattat    2100
aacaaaaaaa gatatcctcc ggcatatggc ccagacggca aaccaagacc ccgcttcaat    2160
aatgttcaac tgaatctcac agatgaggag agagaagaaa cggaagagga agtttatttg    2220
ttgaatagca caactcttta acctgaggga gtcatctact ttttttttcct cctttacaaa    2280
aaaagaaagg aaatataaaa gccgggtttt tgcaacatgg tttgcaaata atgctggtgg    2340
aatggaggag ttgtttgggg agggaaagga gagagaagga aaggagtgag gtatttcccg    2400
tctaacagaa agcagcgtat caactcctat tgttctgcac tggatgcatt cagctgagga    2460
tgtgcctgat agtgcaggct tgcgcctcaa cagagatgac agcagagtcc tcgagcacct    2520
ggcctgttgc tccaacattg caaagacaca ttatcagtcc ctatttctag agggattact    2580
ttgaattgag ccatctataa aactgcaagg tcttgccctt tttttaatc aaaactgttc    2640
tgtttaattc atgaattgta tagttaagca ttaccttct acattccaga agagcctta    2700
tttctctctc tctctctctc tctctctctc tctctactga gctgtaacaa agcctcttta    2760
aatcggtgta tcctttgaa gcagtcctt ctcatattga gatgtactgt gattttactg    2820
aggtttcatc acaagaaggg agtgtttctt gtgccattaa ccatgtagtt tgtaccatca    2880
ctaaatgctt ggaacagtac acatgcacca caacaaaggc tcatcaaaca ggtaaagtct    2940
cgaaggaagc gagaacgaaa tctctcattg tgtgccgtgt ggctcaaaac cgaaaacaat    3000
gaagcttggt tttcccgcat aaagttttct tttttgtttt cctctcagac tttatggata    3060
atgtgaccgg gtcttatgca aattttctat ttctaaaact actactatga tatacaagtg    3120
ctgttgagca taattaaata aaatgctgct gctttgacag taaagagaag gaagtattct    3180
gattagctgt atctggtatt aattgcatgt taaaacactg gaattttaa aattgaaatt    3240
agatcagtca ttctttctt ttctcaagat atctcatggc tgacactgaa gaagaaatgt    3300
aattcataac ttgcactaaa tgtatatttt ttttcttaaa aatttaccat tcttatttat    3360
atttttatgg attaaaattt ataaaataca gatcagttaa tattgcactt aagtaatttt    3420
accttttttaa tgtgattttt atagaataat tcagacttac aaatacagag atatgaacaa    3480
agtttacagt gggaacaaag gtttaaaaaa aggttgtggt tctctctctg tgatccagtg    3540
tgcacataaa cctttctctg atctttcact gccatcctct ggattatgtc ttctgacctg    3600
tccattttga cccattaact ggaaagttga aaaactacat taactggaaa gttgaaaaac    3660
tacattactt tggagaataa aaccgaaagt tcgtgtatac cttcttaaaa aaaaaatcaa    3720
accaaaaatg tgaaaacaat agaattgcaa agatagcagt taaaatttta atctgaaaat    3780
aacctttgaa tctcgggcta ggttacgtcc atatttgaag tggtcagtga tggtttgaac    3840
atttttttgca ggatgagtga aaatgcactg gattatattt gggatttttg ttttttggaat    3900
tgtctgtttt aatcacagcc ttaattcaca attggcaaag gcagtttact caaaggactg    3960
ggctaaatat tctgtaatta tgcatttttg ataggaaaat gaaatttttg caaacagaca    4020
ttttctttttt ttttggctgg agtgcagtgg ggcatggtct tggctcactg cagcgttgac    4080
cacctgggct caagtgatac tcccgcctca gccacccaag tagctggcac tacgggcaca    4140
cgccaccatg cccagctaat tttttttgtat ttttagtaga gatggggttt tgccatgctg    4200
cccaggctgg tctcaactcc tcagctcaag caatctgcct gcgtgagcct cccaaagtgg    4260
tggaattaca ggcgtgggcc actgcgcctg gcccagacag acattttctg aaacacaact    4320
ggcaatgagc tgtttttaca ttttgaaagt gattcttcac ttcctagttc ttaattatag    4380
tatacctatt aagatctgta agatcctgaa gacataagat catgaagcca tataagaatg    4440
aggattgaaa gttgagcaaa attttcggga tttttgggaaa cattcttagc tgtgctatct    4500
gcctaaaatt attccttatt acttctctcc tttgacagac ttcaagtttt cttcatagcc    4560
ctttcaaagt tttttgagcc atccagagta aaatcatttc taaatgatag ttctgtatat    4620
ctccaactcg tcttaagtgt atttgcctgt gtgcaacgta ttgctagact atgaactcct    4680
cagcatggct gctggataac ttaattgtcc tgagttaata gccttcaaag gacaaatcgg    4740
tttctttgca gatagcttcg taaaacttca catggagttt attttatcat atttccctttt    4800
tttatttctg ctcctccttt aattgcccat cttgcttcag agactgacat ttcagggtgg    4860
atattaatta aagcattaat tttgttttttt ggtatatttc tatccctagt atttctatct    4920
tactgctaaa atacaggaaa agtgccgtat ttttaatgca tttagtggtt ttctttggtg    4980
ttatctgttc cattttttctt tttcatacat tgaagtgtgt ctcctttttca accaaaataa    5040
tgaaatagtg gagaccatga aattgttgtg cctggctaat tggcaaatta atttaccaat    5100
ataataagtg tagcgccttg tttgaatacc ctttttgaga aggtatgatg agaatgggca    5160
agggtgtcag catctcttct tcttaataat taattgtttt cagttttggt tcacgaagaa    5220
tgcttagtta atctgtaatg ttgcctagag ctgtatttat ctgttttttat ttatactagt    5280
gtagtaaagc tgcatatcat tacagtaaaa acgactactg tgatgagtta atcagaaaat    5340
ctattaaaat ctatatgaca atgtg                                          5365
```

<210> 11689
<211> 586

<212> DNA
<213> Homo sapiens

<400> 11689
gcatgaaaag aggtaaaacg atttatttac atgtctttaa aaaatcacct tggacatttg   60
ctaatagaac tgccaaaaga gggtggtaag taacaacctt tgattaagat gtggtctttt   120
actattaagc ttttagtaaa aaggaacaca ctaaaagttc agagtagatc atttatattc   180
actgagtatt tactgagcaa ttactgggcg ccaggcgcta ttctatgttc ttgaagtttt   240
cattccagca ggaagagaaa tctagagtat gtcagatggt gataaatatg gattagttca   300
gcaattttaa aaaaggattt ttatgtactg cacactgtta cgaatataca aaatcagtca   360
agaatcctgt tatagttttt gtaatgtaca aaaagtgaag gtgtgtgcac ccaccccatt   420
tttatagagg gtgatcaggg aaagcctcag ggataaggaa gcatttgagc agaaacctac   480
agaaagttag agaaggacat ttatccgtga gaaaaaatgt tgtaagaaga gaaaatgcta   540
tatacaaagg attctcctgc caggttcaag gaacactgag tagatc   586

<210> 11690
<211> 1164
<212> DNA
<213> Homo sapiens

<400> 11690
gttttcaact caatgtctcc gagataagag caggacccgg acggtaggaa tccacaggct   60
gtgtccctac catgtaacca gcgaccctgt ctccacaagt ctgccttta ctatgccttg   120
tatgcactgc ctcctctcta gttgcattct ctctgcctgc ttcagccctt gcatatctat   180
tccctgggct cctccagtgg ttcctgtgta gtctgtgcct ccaacccagt ggtttctaac   240
cagagaacta ttttgctccc caggggaaat tcagcagtat ctggagacat ttttggttgt   300
caagaccagt ggggtccttc tggcatctac tggatagaag ccatggaagc tactaaacat   360
cctacaatgc acaggaatcc cacaaaaaga actgtctagc tcaagaggtc agtggctctg   420
aggttgaaaa actctgctcc agccatatct gcctctaatc cattctctac acatcaccag   480
agtgatacaa aatacaactc ccatgccatt gatatcattc ccatacctga aatccctcaa   540
tgcctcctag ctgctctcag gttaaagtct aaattctcct gcaaatcaca cgaggcccat   600
aatctggccc tctcctacct ttctacctca ccttcaccat cccccagaac cctcttccct   660
gaaaccacac tcacacctca tgcaggtgaa acagaccact ccgttaccaa ctcttcctgt   720
ccatctctcc catttattcc ttagcccact gattttatgt cagacactcc aatgggacta   780
aaaaggaaca aatgccctca aggcagctca aggcactgat atccagtagg gcacacagaa   840
aagtgggcac acaattcaat cagcagaggc agaactttgt catcgcctct gtgatcccac   900
tgccatctcc ccagtggact gtgagcctcc agaagagaga gcatcttcat gtcttcatct   960
ttatagtcca caggaacttg gacatggtaa gtgtggtcta cagggtgtac aacttgtatt 1020
tgtcacaatt gttgcattaa ggaatgaatg aattcccagc ctctttaagt ttggctctag 1080
cacagaaata aaaagaaatg aaacattaaa atatagagat gaaacaaaat tcttcatagt 1140
gcatgcactc aaaagcccag aaac   1164

<210> 11691
<211> 406
<212> DNA
<213> Homo sapiens

<400> 11691
tattcaaagg ttccaataag tttattttgt gtgctttgtt ttcaatttaa ttaatttcat   60
caacttaatt taaacaaatc tttgaaatta ataaaatgtg agatgtctgc aggtgtttgc   120
agcaagcatt gtggtgagat tcttccctga agtaaggaga gtccttaaaa acaaagatgc   180
ctagaaacac acatattatt attatcttta aaaatataac aaatgtgggg gttgcagtgg   240
acacttcact tttttttagc ttgtatcaaa actgttggac aatgtaaatg aaggatcaag   300
aacaagaagc ctgggggaat aaatgggatg acgagtgtag agatacttgt ggagaactct   360
ttattgccac caatttaatt gtgattacag tggcagacat caacat   406

<210> 11692
<211> 141

```
<212> DNA
<213> Homo sapiens

<400> 11692
tttttttttt ttttgagaca gagtttcgct cttgttgccc aggctggagt gcaatggcat      60
gatctcagct cactgcaacc tccacctccc aggttcaagc aattttcctg cttcagcctc     120
ccaagtagct gagattacag g                                               141


<210> 11693
<211> 1720
<212> DNA
<213> Homo sapiens

<400> 11693
gactttttat tcataggaga aatatatgtg tgcacatcta cccacacaga tactgtttta      60
gtttcactgg gacatttgcc caaaggcaga agacagattg ctgttgcaga gttgtagatt     120
attattatat ttagcaagat agccagctaa atcctaactt actccactgg gtgactccct     180
gggatgttat tttctctatc tctgaagtta tttgagcaag gaaagcattt cttttatgct     240
gtctatattc tgttttattt ggttcatata tttccttgga ttctttatgc atattttatg     300
gcactgactt tcaagaataa agatgtagtt gagaggcatg tcagagtcga tggtttgttg     360
ttaattgata gtttgattga ttaatatagt aggatttttc tgcttgatcc tgacctaacc     420
cattggcttt ctttagtgga cagttttaca aggacagtgg caggtgcagg gaattgccca     480
cttcagcagg gctctgacat acttgatctg tttctccttc cctcaggaaa agctttgcca     540
gcagaagtat aatgtctcct gcataatgat catgccccag caccaaaggc aaggatttgg     600
acggtttctc attgatttca gtaagtgaag tactttattt actttcatga tccaggaagc     660
tgatggccgt tacaggaaac agtaaaatat aaaactttat ttaacctgca ttgttgtttt     720
tatcaataga taatgggctt tctatttata tttacatagg ttagaacatc ttcctcaagt     780
gaaaaatgta ctgctgctca gtgattgtac tctaggaaat tgagactaga tctctcggca     840
gcaggcctca tgcacaaagc cattaccctg aatgaaccga cagaattaca ttccattttg     900
tggtgctcat gctcattagc accaaaagag gcaattattt gtgattaaag ctaaaggaag     960
tattatttga aaggattttc agctctctga aattttgcct ataatcttgt acagtacaaa    1020
gcagaaaagg tatatttcca tttagaaaaa taattttcta ggcagcttat cctgggcctt    1080
gctagtagaa ataactctta ccttattttg ttaatttccc ttttctatta tggaaattaa    1140
tacagtgttt gtatctagag gtttcccaag aaatatttat cttatatgca ctcatatctt    1200
ctgaaccttc tcagttaaaa ccggcataat atataaaagt atgcacatgg ataatgtttt    1260
taaaaatggt agtttttttt ttcctccttg tttatattat actggatgtg taaatgttgt    1320
gttaggggta catttggaga atcaattcaa aatatctaga taacatgatg accagataac    1380
ccatgataat agtcatttct cgtcatgtaa aaatctgtca ctggccgggc gtggtggctt    1440
atgcctgtaa tcccagcact ttgggaggcc aaggcaggtg ggtcacaaga tcaagagatc    1500
gagaccatcc tggccaacat ggtgaacccc atctctacta aaaaatacaa aaattagctg    1560
gatgtggtgg cacacacctg tactcccagc tactagggag gctgaggcag gagaatcact    1620
tgaacccggg aggtggaggt tgcagtgagc cgagatggtg ccactgcact ccagcctggg    1680
tgacagagtg agagactctg tctcaaaaaa aaaaaaaaaa                          1720


<210> 11694
<211> 1438
<212> DNA
<213> Homo sapiens

<400> 11694
ctcaaactat gcattaattt tgcgtgcata gttctaataa ttttaattgt ctcatccagt      60
cgaggggttg acagactaga acagaccagg ctcagttcac atgctgccta ttttttgtaac     120
actttttttt gtttgttttg ttttgttttg tttattttgc cctacaaaaa ctgatttgag     180
tagttgtgac acaactatgt gagactgtat tgagactaca tggcctgcca agcctaaaaa     240
atatttacac ctgacccttt acctgaaatg tttgctgacc tctgaatccg agagttgaag     300
ggaatctata aaagtggctc atattaccaa actcgtagag cttgtgaaga ataatgcaaa     360
tctattcatt tatatattct tttccagtgt ttttagaagg ctcactgagc acagtacctc     420
atattccaga tccaaggatt cctgaggaat ccaaattagt atccagaagg ttcattggta     480
gtcatggtta taaaccagag caaaagttaa tgggaagaaa tggtaaagag tcactgcatt     540
```

10273

```
gcagctgaca  cctgggattt  taaaatcttt  ttttcgtttt  tgagatggag  tcttgctctg      600
tcgcttaggc  tggagttcag  tggcgtgatc  ttggctcact  gcaacctctg  cctcccaggt      660
gcaagtgttt  ctcctgcctc  agccttccga  gtatctggga  ttacaggcac  gcgccaccac      720
gattggctaa  ttttttattt  ttattttat   ttttattttt  gagacggagt  cttgctgtct      780
cgccaggctg  gagtgcagtg  acatgatttc  ggcccactcc  aacccccgcc  tcccaggttc      840
aagtgattct  cctgcctcag  cctcccaaat  agctgggact  acaggcgtgc  gccaccacgc      900
ctgggtaatt  tttgtatttt  tagtagagat  gtggtttcac  catgttggcc  aggatggtct      960
cgatctcttg  acctcaggtg  atccgcccgc  tcggcctccc  aaagtggtgg  gattacatgt     1020
atgagccacc  acgcccggcc  cacgctcggc  aaagtttttg  tattttggt   agagatgggg     1080
tttcaccatg  ttggtcaggc  tggtctcgaa  ctcctgacct  cgtgacccgc  ccaccttggc     1140
ttcccagagt  gttgggatta  caggtgtgag  ccaccgtacc  cggccaaaat  ccctttagtt     1200
ctagtcagta  gaggaataaa  gcactgttct  ttcaaatgtg  aacccctctt  gatcagtatt     1260
gtccaatctg  gcctgttctt  taaccagtca  gcctcttttc  ctgcctcttg  catgggcttt     1320
ttgttgttgt  ttctttgttt  gttcatctat  catctcttgc  tttaatcata  acctaacttt     1380
ccctgatgtg  gcacgtgtaa  aactgaaaaa  cagaaactct  atctggtaaa  aaaaaaaa       1438


<210> 11695
<211> 300
<212> DNA
<213> Homo sapiens

<400> 11695
gttgaaggta  tgtgtcagtt  ttaaccaggt  gttgagttat  ttgatcactc  ctccaaagat       60
tatttaatag  tttcaataat  atctaatgat  gtgtgggaaa  ccgtagaatt  tttcatacaa      120
actgggacaa  atgaacatgc  atactattaa  aatacttcct  acaataggca  taaaatgggc      180
tttcttaggt  gaaccaggag  gtatagttag  cctaatcata  tgctatgatt  attagtaatg      240
gttttctgtg  ttttatcatt  catatttgta  aatctttttt  gaatgactac  ttggaaatga      300


<210> 11696
<211> 1577
<212> DNA
<213> Homo sapiens

<400> 11696
ccttaacagg  agtatttgag  aattacctta  taaatgcaga  gaatgaacat  gaaaagcatc       60
agactttatc  tagacttaag  atattattag  aaaattcact  gaacactaga  taaagttaag      120
tcctaaattg  tttcttaatt  tattcatgaa  ttctttgagt  ttctgagata  gaaatttgga      180
gatcttggta  atgggcagtg  gtatactttg  ggaagtagga  aggccagttg  atttgtgctt      240
tgatggttgt  tggaggtcat  tccatgattg  gaatgtgttg  attttcttga  tttatttgtt      300
attacaacaa  agcagttatt  cttggacagt  tgacatttca  gaactaaaca  atccttaaat      360
atacttggaa  ttacagaaat  ggaattactt  ggcacgtttg  tttaataatc  aacagggcag      420
tcctgtttaa  ttattttcac  acatttgagt  cacctgtaat  ctctccccta  atctcttcta      480
tgatcttaaa  tttgcatcat  gcttgacatc  atgaggaaca  ttgttgctca  gaaacatatc      540
ctttgtcctt  taataggcag  tgctagctaa  tcagtctggt  tgctgaatga  atgatccatc      600
ttctgtaggg  ccatgtttta  agcctgtgtt  agtcagctca  agatgccgta  acaaaatgta      660
gactgggtgg  tttgaacaac  agaaatctat  ttcctcacag  tccttgaggc  agaaagccca      720
agatggagtg  tcagcacagt  tgggttctgg  tgaggcccct  cttcttggct  tccagacagc      780
caccttctca  atgtgtgctc  acatggcctt  ttgttagcat  ctatgttagc  agagagacca      840
agagcaagct  ctctggtgtc  ttttactata  agggtactaa  tgtcatcaga  ctaagctctg      900
cccttatcac  ctaatctcct  cccaaacacc  ccctctccaa  atatcattac  actggggggt      960
taggccttca  gcatatgaat  ttgagtggga  acacattcag  tccataacaa  agcctaaaca     1020
gtactgagcc  tttaataatc  agatatgatc  tctcttaagt  ttcatactag  ttaatgaatt     1080
ccagttagac  taacttttgt  tccattagta  gtagtgcttt  aaacctctat  gtgaagtaaa     1140
ctattaacca  attccaagtc  ctaaatttcc  catacccatt  atgaatgcgc  tataagttat     1200
aaacattctc  caggttacca  gttttaaata  gcaattgtga  aagactaatg  caagtataaa     1260
aacactttgt  gaggctgggt  gtggtggctc  atgcctgtaa  tcccagcact  ttgggagacc     1320
aaggcaggca  gatcacgaag  tcaagagatc  gagaccatcc  tggccaacac  ggtgaaaccc     1380
cgtctctact  aaaaaaatac  aaaaattagc  taggcatggt  ggtgcgcgcc  tgtagtccca     1440
gctactcggg  aggctgaggc  aggagaatcg  cttgaaccca  ggaggtggag  gttgcagtga     1500
```

```
gccgagattg tgccactgga ctctagcctg gtgacagagc gagattccat ctcaaaaaaa    1560
aaaaaaaaaa aaaaac                                                     1577


<210> 11697
<211> 356
<212> DNA
<213> Homo sapiens

<400> 11697
cccttcttat ggaatatggt agaatattat ttttaaggac ttttaaaaaa attattaaaa     60
aacttttatg ttccttcgtc tctctggctt ataaaaagaa ataggatgtg tttgcattga    120
aatctggcaa tgattaatta actttctaag tgaagtttaa agaatacaga aaaaataacc    180
catgcatatt cagtagtaac gtgtgataga tttctaaaaa ccagtgatca cagtttcttt    240
 cccctcttt ccattctagt gaaaaagttt ttacttcctg ctgcatagag ctaatataaa    300
aacacctttt cctgaaatat tttaaatttc cttttactta tttgagaaat ctttaa        356


<210> 11698
<211> 1479
<212> DNA
<213> Homo sapiens

<400> 11698
gctttgtcac acaatgtaat cttgtaatcc tctgtccatc tgtggccggc ctgcttctct     60
aaacgggaag actactgctt catgctgctc tattgcttgt tgcctaccat ctctgcctca    120
tggtctgtca gtcattattg ctcctagacc agctaagttg ccccagtgtc tcatttctgg    180
gtcttctgtg tgggctgttg gtctgtaagc atctgtcagt atctaagcct gctgtgaggt    240
catccctcac aattacagaa tacacttggt atacaaaaac acatgtagag gaaaagaaaa    300
ttactgaagt tccaaaaaac acctacaatt ggaccaagaa ttggcttatt ttttttttta    360
aagaaagagc agcttctgta tattatttac aaaggtcatc atttcattgt ctgcactgga    420
cagactaata attttttacc cataaaattg tttagggtta gtaccctgtt aggacctttt    480
tgaacgtaaa gaaggtttta ctttccattt aagacaccag gtttgaggtc aaaagataaa    540
cataagccca gagaagcaag caattctatt tcttctcatc cctgttgctg agattgctgt    600
aggtgaaata ttaagtatcc ctggacaggg cagaagtatg taggatagga ggcttgtgtg    660
tagtgaggct tttatgaata aatcagtgaa atctgacaca gaagccaggg ctcttcccct    720
gatcaaatca acaagatggc cttaagtgct ccgtcaactg tggacactgt ggggagaggc    780
tgatcagttg gatttggagc cagagataag agtcaggagg gccttgttcc tctttacaaa    840
ggaattgaca tgactaaatt gaggaagtct caccctaagg tgagatgcca aggaagatgg    900
cttgctgtct tactgtgtac ccacatccac catttcttat aacttcaacc cactatctag    960
catttgactg ttctctcaaa ggaactgagg cttttttatt tctattataa ttgatagtcc   1020
tattttacct agtcataaaa taagtcctca aaatatactg ttatgaaaag taaacaaaat   1080
aaaagttgtg tttgacattt tagatcctat ttccaaaaaa agtaccattt tattgtagta   1140
tgtggttatt taaaacctta atttattgtc attttttagcc aatacactat tttatcaaaa   1200
agaggcagat tgcagtagaa gaatgaggaa aatgaaatac cattcaggat ttaggctgtg   1260
tcctatgctg cttctcctac acctctggac ctctggtaca cacacacact ctctctctct   1320
ctctgctata aaatgaggct cgcttttcaa aatgattata ctgaaatttc agatgtcaat   1380
gaaatataat tatgagtgtt tgtgtatact tatgtatgtg tgtttccaga gtagtggagt   1440
gatatacttt ataaaagcat tttcccaaaa ttacagaaa                          1479


<210> 11699
<211> 1479
<212> DNA
<213> Homo sapiens

<400> 11699
gctttgtcac acaatgtaat cttgtaatcc tctgtccatc tgtggccggc ctgcttctct     60
aaacgggaag actactgctt catgctgctc tattgcttgt tgcctaccat ctctgcctca    120
tggtctgtca gtcattattg ctcctagacc agctaagttg ccccagtgtc tcatttctgg    180
gtcttctgtg tgggctgttg gtctgtaagc atctgtcagt atctaagcct gctgtgaggt    240
```

10275

```
catccctcac aattacagaa tacacttggt atacaaaaac acatgtagag gaaaagaaaa      300
ttactgaagt tccaaaaaac acctacaatt ggaccaagaa ttggcttatt ttttttttta      360
aagaaagagc agcttctgta tattatttac aaaggtcatc atttcattgt ctgcactgga      420
cagactaata attttttacc cataaaattg tttagggtta gtaccctgtt aggacctttt      480
tgaacgtaaa gaaggtttta ctttccattt aagacaccag gtttgaggtc aaaagataaa      540
cataagccca gagaagcaag caattctatt tcttctcatc cctgttgctg agattgctgt      600
aggtgaaata ttaagtatcc ctggacaggg cagaagtatg taggatagga ggcttgtgtg      660
tagtgaggct tttatgaata aatcagtgaa atctgacaca gaagccaggg ctcttcccct      720
gatcaaatca acaagatggc cttaagtgct ccgtcaactg tggacactgt ggggagaggc      780
tgatcagttg gatttggagc cagagataag agtcaggagg gccttgttcc tctttacaaa      840
ggaattgaca tgactaaatt gaggaagtct caccctaagg tgagatgcca aggaagatgg      900
cttgctgtct tactgtgtac ccacatccac catttcttat aacttcaacc cactatctag      960
catttgactg ttctctcaaa ggaactgagg ctttttttatt tctattataa ttgatagtcc     1020
tattttacct agtcataaaa taagtcctca aaatatactg ttatgaaaag taaacaaaat     1080
aaaagttgtg tttgacattt tagatcctat ttccaaaaaa agtaccattt tattgtagta     1140
tgtggttatt taaaacctta atttattgtc atttttagcc aatacactat tttatcaaaa     1200
agaggcagat tgcagtagaa gaatgaggaa aatgaaatac cattcaggat ttaggctgtg     1260
tcctatgctg cttctcctac acctctggac ctctggtaca cacacacact ctctctctct     1320
ctctgctata aaatgaggct cgcttttcaa aatgattata ctgaaatttc agatgtcaat     1380
gaaatataat tatgagtgtt tgtgtatact tatgtatgtg tgtttccaga gtagtggagt     1440
gatatacttt ataaaagcat tttcccaaaa ttacagaaa                            1479
```

<210> 11700
<211> 1479
<212> DNA
<213> Homo sapiens

<400> 11700
```
gctttgtcac acaatgtaat cttgtaatcc tctgtccatc tgtggccggc ctgcttctct       60
aaacgggaag actactgctt catgctgctc tattgcttgt tgcctaccat ctctgcctca      120
tggtctgtca gtcattattg ctcctagacc agctaagttg ccccagtgtc tcatttctgg      180
gtcttctgtg tgggctgttg gtctgtaagc atctgtcagt atctaagcct gctgtgaggt      240
catccctcac aattacagaa tacacttggt atacaaaaac acatgtagag gaaaagaaaa      300
ttactgaagt tccaaaaaac acctacaatt ggaccaagaa ttggcttatt ttttttttta      360
aagaaagagc agcttctgta tattatttac aaaggtcatc atttcattgt ctgcactgga      420
cagactaata attttttacc cataaaattg tttagggtta gtaccctgtt aggacctttt      480
tgaacgtaaa gaaggtttta ctttccattt aagacaccag gtttgaggtc aaaagataaa      540
cataagccca gagaagcaag caattctatt tcttctcatc cctgttgctg agattgctgt      600
aggtgaaata ttaagtatcc ctggacaggg cagaagtatg taggatagga ggcttgtgtg      660
tagtgaggct tttatgaata aatcagtgaa atctgacaca gaagccaggg ctcttcccct      720
gatcaaatca acaagatggc cttaagtgct ccgtcaactg tggacactgt ggggagaggc      780
tgatcagttg gatttggagc cagagataag agtcaggagg gccttgttcc tctttacaaa      840
ggaattgaca tgactaaatt gaggaagtct caccctaagg tgagatgcca aggaagatgg      900
cttgctgtct tactgtgtac ccacatccac catttcttat aacttcaacc cactatctag      960
catttgactg ttctctcaaa ggaactgagg ctttttttatt tctattataa ttgatagtcc     1020
tattttacct agtcataaaa taagtcctca aaatatactg ttatgaaaag taaacaaaat     1080
aaaagttgtg tttgacattt tagatcctat ttccaaaaaa agtaccattt tattgtagta     1140
tgtggttatt taaaacctta atttattgtc atttttagcc aatacactat tttatcaaaa     1200
agaggcagat tgcagtagaa gaatgaggaa aatgaaatac cattcaggat ttaggctgtg     1260
tcctatgctg cttctcctac acctctggac ctctggtaca cacacacact ctctctctct     1320
ctctgctata aaatgaggct cgcttttcaa aatgattata ctgaaatttc agatgtcaat     1380
gaaatataat tatgagtgtt tgtgtatact tatgtatgtg tgtttccaga gtagtggagt     1440
gatatacttt ataaaagcat tttcccaaaa ttacagaaa                            1479
```

<210> 11701
<211> 1679
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (229)
<223> n equals a,t,g, or c

<400> 11701

```
gcagtggcta ctcagggtag gctggtcctg agacccatcc ccgacacctc tcctgctgaa    60
ccctcaggct gctccccaca nccagggtgt gactgagggg tacacaggcc tggatttctg   120
gtgtgaggaa ggggctagca cctcccctgt tgtgtagcca gcacaggcac aatttgtggg   180
tttggtggca ggtaggtggt gcgtgggaga aaggacagtg ttagaggtnc cactccgtgg   240
tctaggatca tgaaaggtga acacacaagt acacaaatgt gccatgccct ggcatgggc   300
ttatgtgtgc acaggcaagg cactcggtgt gtgtgtgcgg accccagggt cccaggtcat   360
gtgaagcgta cgtgtgtgtg cattgtatgt gtgtgtacat tgtgtgtgca ttgtgtgtgc   420
atgtggccaa acagatgtga cctcccagaa cacagtaccc ctccacctct acccgagctc   480
agacagccga gctctccctt gtcctgtgtg tgtgtcagtg tggccacgtg cgtaacccca   540
ggtgggctgt cctgagctgg gggcctgcct gtcccttccc agaacgcccc tctgcaggac   600
aggaagtctg ccccaagtct ggccacggcc ctcctgctcc catctcgggc tgcttgggag   660
acatcagagc aggccccagc ccccagtccc ctcttccggc cgcctggaca ggaccccat   720
tcagcccagg tgtttccgga agtcccacgg ccttggggcc acaggagaag ggttgaagcg   780
tggctggggc accactcccc ccacctggag tggcattggg cccacagctg cccatctctg   840
ggcctcaggt ggaccagggg atctctaagg gtctgctgtg ccctttctat gcgtcctcca   900
catcctatga tgtgcctgct tgttggctgc tgtctgtgtg cgtcctggca tgttgtctgg   960
aggctggtgt ctttttgcatg ttcttggaca aatgtgtgct acctgcccag gcgcctgcaa  1020
ccattgagcc cacatgtgcc ccacgtgtgc cctgcgggtg gtcccgggcc tggccagggc  1080
tcagtgctcc tcttccccct cctccctgtt cccacccctc atgaagcaca tgcgtgtcca  1140
tcccatgtac ccgtgggtcg acgcacgctc ttgccacgcc ctgagcgtgt acacatgatg  1200
tgttctatgc attcaccctg cccccccagcc cgccctgcag aggacaagat gggtggcccc  1260
ggctcccttt cccctaaccg cccctgcccg ctgtgcagcc gtgtgcgttg gcgtgtgttt  1320
ctgtgtcact ggcgtgtcac gtgatgtagc cgtgtttgct gacatgagcc cctgcccct  1380
tctctgtttc tccgttggtt tctagagctc tctccctccc cttctcagag gggacaggac  1440
tcctggggcc tggctggggc ccagagccag gccgccctct cctgttagcc ctcagagtcc  1500
catttctgtt agccctcaga gtcccatttc tattggtgac caacttgcaa atggataaaa  1560
cacaggaaaa tcctgccccc cccttcctcc ctgcatgtcc tgtccccaga gccccccacc  1620
ccaccctggg ccaggtcagg cctgtggacg ggagaaatag caaccaatcc aacagcggg   1679
```

<210> 11702
<211> 632
<212> DNA
<213> Homo sapiens

<400> 11702

```
cacggtcgtg gatgaggctt ttaatccggg gtcagccagg tacagcattg gggacatccc    60
caggcccagg gctggcgatg tgctgggaag gaacttaggt agagaggtgg gaagtgaaag   120
cataggggagg ccatagccct ccagagggga attctaagac agacagttga aggtgaggcc   180
tttgaaaaac aatgggaaca tcacctccca aagagggact gaggtggctg gaggaaccag   240
agccgcctct gcactctgca ccgagggtcg cgtgtggctg tcaggagagc agcgtaagcc   300
tgtggagcct ctgctcgctt cctgctcaga aagccagaag agagctgggg caggccacca   360
gggcaccaga cactcaccaa gcggccatca ggactgggat gagaggacag aggaaggaca   420
ctctgtcccc aaaccctccc gtgtcctgac ggccctagaa cttggaggtg tcaggacaca   480
acacagactc aaggctcctg gattgaaaat gtggagggct tgggccaggc gcggtggctc   540
acacttgtag ttccagcgtt ttgggaggcc cacgtgggaa gatcacttga gcccaggagt   600
tcaagaccag cctgagcaat atagtgagac cc                                 632
```

<210> 11703

<211> 1415
<212> DNA
<213> Homo sapiens

<400> 11703
```
agtggggcgg aggggacgag agtagtatct ttggttcttt ggccctgacg ctgtgttcct      60
cttctcccag ggcatcagca gcctgttcag ctctctaaaa gttgtccggc tgctccgtct     120
tgggcgagtg gccgtaagct ggaccactac attgaatatg gagctgctgt gctggtcctg     180
ctggtgtgtg tgtttgggct ggctgcacac tggatggcct gcatctggta cagcattggg     240
gactatgaga tctttgacga ggacaccaag acaatccgca caacagctg gctgtaccaa     300
ctagcgatgg acattggcac cccttaccag tttaatgggt ctggctcagg gaagtgggaa     360
ggtggtccca gcaagaattc tgtctacatc tcctcgttgt atttcacaat gaccagcctc     420
accagtgtgg gctttgggac atcgccccat ccacagacat tgagaagatc tttgcagtgg     480
ccatcatgat gattggctgt aagtatgaca gtgctggggt ggggttggcc atctcttctg     540
ttagctggaa acagggaaat ggctacagtg ccagcaggat caggagaata ataacttaaa     600
acaaggaaga gtttttttaa gactaggctt acagttaccc tgataattaa agcagtatat     660
gcttactgca aaaaaattta gaaaatacaa aagagtgcaa agtagaaagt aaagactatc     720
cataattctg cttttcagag ataactacta atactgttgg tgtcttctct tacagactat     780
tttctttgca tatctgaata catatagatt tttataaact taaaatgaga tcttgctgca     840
tacgcacttt agtaaactac tcatagaaca gtgaattatg gaagtctttt catgtcaatt     900
ttttcttttt taataaaaat tgtatatatt taaagtatga aatgagattt tgatatagtg     960
aaatgattat gacagcaaag caaattaaca tatccattcc tttacatcat tacctttttt    1020
ttggtgaaag cacttgaaat ctgctctctc agcaaatttc ctgtaggcat tacagtatta    1080
ttaactatag ccgtcatgct acatgtccta catgtcaatt tgaacatagc tgtagcttgg    1140
catatagtct aatgtagtat gagaaaaaga atgtatgaaa aatgaatgca aaacatctca    1200
ttaattgtat tttatattga ttatatattg aaatggtaat atttctgatg tatcggttaa    1260
gtaaaatatt ctcttagaat taatttaatc tgtttcattt tcctttttaaa agtagctcct    1320
aggaaaaatt taaatttaat catttggacg gtgctggtct agataaacat ttttgatgtc    1380
ttgcttgatg ggaaattttc caactcaaaa acaaa    .                          1415
```

<210> 11704
<211> 255
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (34)
<223> n equals a,t,g, or c

<400> 11704
```
ctctgttgcc caggctggag tgcagtggca cgantctcag ctcaccatgc aagctctgcc      60
tcccaggttc acgccattct cctgcttcag cctcccaagt agctgggacc acaggcgcct     120
gccaccacgc ctggctaagt ttttttgtatt tttagtggag acagggtttc accatgttag     180
ccaggatggt ctcgatctcc ttacctcgtg atctgcccgc ctcggcctcc caaagtgctg     240
ggattacagg catga                                                      255
```

<210> 11705
<211> 18367
<212> DNA
<213> Homo sapiens

<400> 11705
```
cttatttgca ggtggactgg cagaggaagt ggacgacaaa gttcttcatg ctgcgttcat      60
tccttttgga gacatcacag atattcagat tcctctggat tatgaaacag gtgagttagt     120
gtctctcacg ttcagaatcc tcttactagg aaaatacctt aaaaaattaa agtcacatca     180
caattctaaa tatgcattct aaatatggtt agtatacact acaggtaagt tcaggaaggt     240
gtctggtgac agtgatctcg atggagaagg aatgttctga ggccatgtgg ttgtgaactc     300
tgaatacttt ccagagtctt cagctgttgg gttgagataa gacagatttt tcaatagacc     360
```

```
agtagggaga taggtttgaa ctacattgag atttgaatgt tgttttaatc tacctgatgg    420
gtaccccatc ccacctgcac cttcttgcag ctgtgctatt aaatgaggca gcgggaaagc    480
ctagccccat aatgggggtg ggtgagggcg ggggttcttg gcctctgcac ccctgggtgg    540
gtttcccatc gattggtatc acaaccacag ttcagttttc tgtttacctt tgttgtcatt    600
tttaagatta tagttttagg cctagtttta tcatcaacct tgcatatgat tgttagcaaa    660
gtctttaaac tctctgggcc tgggaaatct ttatttgcaa aatgataagg ttatgttggc    720
tttctaaggg ccttctagtc tctgagttct atgataaaca ttattgtgct tggtctttct    780
agttagttca gcattttcct gaagataaag actgagcatc tttatcaggt tttaggattc    840
atgctttatg cacagttgat gcgcaaaata tatatttaga tagataattg ataggtcaaa    900
tgactttatt tttctaattg ctttgcatgc aatggttaag gttttaagtt tggctttcgt    960
agaataattg aatacttatc aattaaaaat acagtttact attcagctat gtccattaaa   1020
aaaacaaagt ttattattgc ttaaaatatt gtataagaag aatcaagaat gagattcctt   1080
cttcctaaat agtgattgga tagaacttct ggtgtttgga tacgacatgt aactgacttc   1140
actttgtgac catcctgttt cttcccacta ccccacatag taattacttg tttttgtttt   1200
tccattttgt agaaaagcac cgaggatttg cttttgttga atttgagttg gcagaggtga   1260
gagtctgtgt tactagtgtc tagtccttgg tttgtgatgt tgttactgat tacaaaggaa   1320
gcttttcacc atttggttag gttttttgggc cttaggctga tgcttccaga gagatcagaa   1380
gtaagtgctg ttctaaggaa agcgtctctc acataatcag actggactgt gaataacatg   1440
tcagacctgc caggccctcc cattcttgcc ctgcagagga gctagctcat gcacccctgt   1500
tcattgagca ttcttgcctg gaagtagtga ttatttcttg tgccttcaac tagatggcaa   1560
attgttgcac caccagctct aaaatcagcc aggaagtgct ctttgttaga aacacacaaa   1620
acctaggcaa gaaatacaga ggtggcattt ttctggattt ttgctactga gcatgtgttt   1680
agacaccata agaagcattt ggctgcaagc ctaaacttgt acctttgtct ttccttggca   1740
ggatgctgca gcagctatcg acaacatggt atggctggga atcttaattc taactaaagt   1800
tgctttttgg tggtacagag gctccttatt catatatcag tgttctggac ttccaaagtt   1860
acaaggttgc atggggaggt aaaaattctc acatgaaaat attcactgtg aattgatcac   1920
ttataaaatt agttcttact cagactcctt cgccatttca gaataatgta agtcctcatc   1980
atccttgttg accagtctct cactggctct cccatgttta ggataatttg cagacacagt   2040
gcaaattgat tgcacggtgt aactgcatat tttgcaaaat agcaggattt catgaagtgt   2100
tagaccaatt tacaattgag aagagaaatt taattatggc aggtgcaaat cactgataca   2160
aatgatttgg atattctgga aaggtccttg ggaaaaatga tgatgctctt tagtatttgt   2220
gccttccttg agatcctttt agttttcatg tctgataaga agtgcaaaga taccatactg   2280
ttgatagaat tttgttggaa aaataatact tcagtgcctg ttacttttct ttctttcttt   2340
tttttttttt tttttttttt aacaatcttg aactcatgag ttcaagactt ctcagcttct   2400
caagtagctg gaattacagg ctcaagccaa cagggctacc tgggctacct gttacatttc   2460
tttctaccaa gttacatttc tttctaccga ttagtgcata gttagtcctg aatattaatg   2520
gtaagaaact tgttttttatt attttttagtt tcatcacagt aatttcccag tcagccttttt   2580
aaaatttttc aattttacca cgaaatcttc atcaccactt caagtggagt cacctttaaat   2640
gacctttcct ggtaccgatt atctttggat aatgagatgt tgttttattt gttgttctgt   2700
tatccattca ccaaacatat tcatcagctg tcagagatca ttttttctttc atttcaaagc   2760
ttatcttgac ttttgaaggt gaactcaaat actgggaaac tgcatttatt tttgtaattt   2820
tggagtgttc tgaacccaga gttacttttg gtaatacagg tctttgtgtg ctgctatgaa   2880
agaaagggg t gtgagttccc tgaaacccac aggtggcttt ggggtggctg catagcttac   2940
tggtagaggc ccagggatta agggaggaca aatcatgagt gtgtctcaga agtatatgga   3000
aagctggctg gccctctttt aacctaagag agtttaagca gctggatttt caatctttttc   3060
agaatgaatc tgagcttttt ggacgtacaa ttcgtgtcaa tttggccaaa ccaatgagaa   3120
ttaaggaagg ctcttccagg ccaggtgagt aggagcaact tccagattcc ctgtgatgtt   3180
ctgcagtttg gccttagttg cattttttgt ctctatttac ttggaagtag atgctaaatg   3240
ctgcttcctg gtagatagga gtagatgatg gttcacattg gaagggcat gcaccacctt   3300
tttagagaaa caagtgagtt tgagcttctc agcaaagcca aagtgattgt ttctgttatg   3360
agagaaattc ctgcctgagc tcatctttcc cagtttctt gatattccat tcctggggtc   3420
tccatcaagg gctgaaatca gcaaaggcta cacctttgct ttcggcatag ctattttcct   3480
tagccctact gagagctgga cttcagggcc tacattctgg atgggaactt tccttacccc   3540
tgggagttct cagtggggaa ttgtctggca tacaggccac atagcatctt ccactttgct   3600
gaccaaagca gctactttttc agttcaagct gacagcttga atgaacattt gtttgattct   3660
ttccttttcag tttggtcaga tgatgactgg ttgaagaagt tttctgggaa gacgcttgaa   3720
gagaataaag aggaagaagg gtcagagcct cccaaagcag agacccagga ggtgagaatg   3780
aagctcctgc ttccagagca caggccggcg ctgtccacag gagactttttt tttttaagtt   3840
ttaatggaaa tttgccaata tgtatatcaa agtggaggga atgaataatg aattcttagt   3900
actttggtaa agtcaatatt gagttcttag tactttggta aagtcaatat cgagtgaatt   3960
caagggcgaa actttgggtc tcttgtccat gttgtgttct atgtgatgag tgtctcagct   4020
```

10279

```
ctgctcaggt atggatttgt gattatcaac tgacagggag gaagctgagg tgcccctctt    4080
caccccctcct gatcagtccc cctccttcac tgaagagttt gccacaaggg tcgtggtctt    4140
cctattcctg tgctaatgga ggggagacag aatagggtag tgtcccttcc ttcaacctgt    4200
acatgggttc agggttctcc agtcctacgg gaacctgctg gggcacttcc ccctgattct    4260
cagcatagtc tctgacagtt gcttcctggg cgtcccctcc tctgagtact ttgtgaatgt    4320
tgtcattctt ctgtatttct ttcttggctc atggtttctc tctcttctct cagctgaaac    4380
agtagcagtc tatctctagt tttatgcagc ctctgttatg ctgttgatct tcatggtctc    4440
tttctagtcc tgagcttcag atatttctgc ctgcaagtct catgggcagc ttaagtttgc    4500
ctaaaatgga ttctcccgct tctctaatcc tgtcttcctg tgttctcaat cttggctaat    4560
ttgccaccat tcatccacac attgacccac gccagaaatt tgaatgcaaa tcagaactca    4620
taaagtggcc atcacagtca gtggagtccc cctggatcat cctgtatcct ctgcttagtc    4680
ttacctactt ggagcacaat gcaaggccca acatcttcca ctgtcttctg agcacttagg    4740
cctgagcaag agggctgccc ccttgcttcc atgtagttag ccagtgtata tgcagggcca    4800
ggcacagagg gacgaggtgg tacatggatg ggtctgccta actagaggac agtgggtggg    4860
ctggaactgg catttgaaga tactgagagt tgtggatcat ggaccagaaa agtgctgttc    4920
tgtgactgtg aagcaagagg aggaagcaga tgcatctgag ggcaagcatg atgagataac    4980
acccccgtgt gtgaggctca ggttagccag tgctgagacc tcctgtcgct gggcatccag    5040
ctgggtgcta cggccatggc tcctgcctcc tgcagcccta tcagggccca aggccttccc    5100
cgtcagcact tgctccagcc tacgcactgg agttgtgttc tgggtgggtg tgtagaatac    5160
tcgcactcct acttagggcg tcagggagct ctctctaact agcaatttct tctgcaccta    5220
gggagagccc attgctaaaa aggcccgctc aaatcctcag gtgtacatgg acatcaagat    5280
tgggaacaag ccggctggcc gcatccagat gctcctgcgt tctgatgtcg tgcccatgac    5340
agcaggtgag caggacgctg tggtcagaac ggcgggacgc tggtggctga gcagtgagcc    5400
tttcccaggt tcttactgct tcacttcttg tgtccttgat attgcttctg acctaagttg    5460
atttgaggca tctcagatcc tgggatctag taacagataa gtcagagcag gtgttttga    5520
agctttataa gtgctggctt actgtttttt aatcgttttt taaaaataca agtaaataat    5580
gtattctttt ttttaaagaa tagcatatac atatattcca ataatattta agacaataaa    5640
ttgaaaattc attttcccct ctctacatcc agtcctcaat tctagaagta actagtgctt    5700
ttattgagta ttctttgtaa tttattaaat attgacttct attctctttt taatctaaat    5760
tttattatct agacatataa agagtcaatt cagtttcaca aagcttgttt tgaaaaaaca    5820
gtcgtcccct ggtgctgtcc ctgtgccctg ctgccaacac catttgctgc tcctcagagg    5880
agcggatttc aactcttagg tgttttggtt tttatttcca tgttgataac agttttatat    5940
ttctacttcc tgttttccat tttaaacatt atcttctgat tttctacttc agagaacaaa    6000
gaattagttt tttaaaatcc ccttccctgc cccctcatct tccctgtata ggtaccataa    6060
ttttggttag gtcctaagtt attttaacaa tgtaagcatc atgtgataac ctcctttcat    6120
gcacagcatt ttgtttttgcc tggaattgat aattgccttg tttttgcata gttttctgtg    6180
taatcattcc tgatttttctc ccagaccatc ctgctggggg ttttgcatcc aggtgtctgc    6240
atcttgttaa ggggagatga gggcaaggct gaattcctca acattcagta tataaacttt    6300
cacataatct ccatttgtca ttatggtacc tcagccctca ctatgcgtag gatgtcctag    6360
tccagagacc ctctgcttta acctaccaaa gactagaccc ccagctggct accaggttgg    6420
ggaggggtgg cccccagctg cagagtcagg gaaaggatcc caaagattaa ccactttctt    6480
aaatgggctt tcagccaaac ttactgtctc caggattacc tgcacccttt cctctgagct    6540
tttggagtgc aaattgagtt gcttcttggc ttttaccagc ttaagattca gctttctcgg    6600
gtctgctata tcatttagga ctcatctatt ttgttttcta acttcagaaa ttttgttgct    6660
gttgtctctt cctccctgct ttttaagttt attttttggc tattttagcc acttttaaagt    6720
gtttgttagc agtaattact ctgttcgaaa tttttgaatc atcctaaaca aaaccactta    6780
ttaaaggtac ctattaaata ataactcccc attttctcct cccctttagct tctgataacc    6840
tctaatcttt gtgtctatga attggcctat cctagatttt tcatgtaagt ggaatcatac    6900
aatagctgtc ctttttccacg ccttgttgat tttgcatagc ataatgcttt caaggttcat    6960
ccttgtacca tgtatcagtg cctcattcct ttttgtggct gaataatatt ccgttgtatt    7020
tggataaata tcttgttcat tcatttgttg atgggcactt gcacattgtt ttcaccttt    7080
gactattgta aatgcctgtg tgaatatcca catgtaagta tatgtttaaa ttcctgtttt    7140
caattctttt ggatatatat gcctaggaat ggaaatgctt agtcatatgg taactctgta    7200
tttaactttt tgaggaaatg ccaaactatt ttccacagtg gctggaccat tttacatttc    7260
taccagcaat gtatgagtgt ttcagttttt ccacatcttc tctttttttt ttttttttt    7320
ttttttgag acagagtctc gcactgttgc ccgggctgga gtacagtggc gtgatattgg    7380
ctcactgcaa cctccgcctc ccaggttcaa gtgattcttg tgcctcagcc tcccgagtag    7440
ctgggattac aggcgtctgc caccatgccc agccaatttt ttgtattttt agtagagacg    7500
aggtttcacc atgttggttg gccaggctgg tctcaaactc ctgacctcat gattcgcctg    7560
cctcggcctc ccatagtgct gggattacag gcgtgagcca ccatgcctgg cccacatctt    7620
ctcttaacag gtgtgacatg gcatctcatt gtggttttta tttttattcc ctactgacta    7680
```

```
atgatgttga acatcttttc atgtgcttgt tgaccatttg tatatcttct ttggagaaac   7740
atctttcaa atctttggct tatttattaa ctggattgtt tgttttgttt ttttaagag   7800
acagggtctt gctctgactc ccaggctgga gtgcagtggt gagaacatgg cttactgtag   7860
ctttgaaccc ttgacctcca gtgatcctcc tgccttgacc tcccaaagca ctgggattac   7920
accgtgcctg gccattttgt tgttgaatta taggagttca ttatatattc tggatattaa   7980
acccatgtta aatatgattt gcaaataagc attctcctgt tctgtgggtt gctttgccct   8040
ctattggtac ggttctttga tgcacgtctt aaattttgat aaaatctaat tattttttc   8100
tttcacctct gcttttggtg tgacatttaa gaaaccatca ccaaatccag agtcatgaag   8160
atttgcccct atgttttctt ctaagatcct ttggttttc ttttaaaaaa tcagtttcct   8220
accaatttag tgtggtttta aaagggaaca gagctcgaac atgtatattc aatcccctt   8280
caacagaatc tcctatagtc ctggccaggt gtggtggttt acacctgtaa tcccagcact   8340
ttgggaggcc aaggtgggcg gatcatctga ggtaggagtt ctagaccagc ttggccaaca   8400
tagtgaaacc ccatctctac taaaaataca aaattagcca ggtgtatggt acatgcctgt   8460
agtcccagct actcaagagg ctgaggcagg ggaatgactt gaacccaaga ggtggaagtt   8520
gcagtgaact gagattgtgc cattgcactg cagcatgggc aacaagagtg aaactccgtc   8580
tcaaggaaaa agaatccctt atagtcctta caaggttagt atcacaaagg tttataatga   8640
gtatctctta ttttaaaaca aaaatatgaa cactaaacca aagttttttc gaggtttttt   8700
attttgtcct attttttaac cccagcgctt tttcctttct caattccaga gaatttccgc   8760
tgcctgtgca ctcatgaaaa gggctttggc tttaagggaa gcagcttcca ccgcatcatc   8820
ccccagttca tgtgccaggg cggtgatttc acaaaccaca atggcactgg gggcaagtcc   8880
atctatggga agaagttcga tgatgaaaac tttatcctca agcatacggg accaggtagg   8940
agccagttgg catgtggtga cgagggaggc tgggcaaggg tgggatggcc aggcaggatg   9000
gaaggacagg ttgtagttct ggctggcgga cactaagagt ctggaggaga cccagccacc   9060
agacatagga gaaccatgca gccttgctag ggtggagttg gcttgttgac attcaggtac   9120
tgttcatccc ccaaccgtgt ccacaattcc tattagcccc gcttggattc tgtggtctgc   9180
tgttgcaggc tcttatgctc tcaaccccac tgctctccct gccctcacca tcagatttac   9240
tcagtaaaat ctcggtggtt agtcccccag caactagaga aaaaacacag aattgtactg   9300
aacaatccca cttgaaattt ataactatag ttcttaaggg gacccttgcc aacctgacca   9360
gatttcccta cttgatgctc agtcccaacc ggagatgatg tgtccatgcc cgtcttcact   9420
tctgaagccc tcatatcatc accttcccac ctcatctaat gcttcacctc ctgcatctct   9480
ccactcgtgc atgctctttc ttccaattac aggggatgag ctgtctctcc taggccagcc   9540
tctccacctg tggactggat cctgtccctc tcctctactt aggaacatgg cttctaaagt   9600
tgtccccttc ttgtaatcca tttcccctgc tctgctagat cagtccatta gcatgaaagc   9660
atgcagttat caacctttaa aaaaaatctt catccggttg ccgggtgcag tggcttagtc   9720
ctgtaatccc agcattttgg gaggcagagg caggcggatc acctgaggtc aggagttgga   9780
ggccagccta actaacatgg agaaacccca tctctactaa aaatataaaa ttagccgggc   9840
gtggtggcgc gtgcctgtaa tcctagctgc tcggaaggct gaggcaggag aatcacttga   9900
acctgggagg cggaggttgt gatgagccaa gatcgcacca ttgcactcca gcctgggcaa   9960
caagagcgaa actccgtctc ggaaaaaaaa aaacaaactt catccttgta ctcttgttcc   10020
ctctccagct atcacccatg cccctggtcc cccatctttt ttcaagaagt aaaagcataa   10080
cttcttgaaa acatggtaca gacttgctgc cttcgcgttt tctctaatcc cttctaggca   10140
gacttctagt cccatctcgc cattgaaacc actcttgcca aaaatacgag tagccagttc   10200
ttggcgatca tcttatccca cctcccagat gttatcccac ctcccaggag catttcatac   10260
tacaggttga gtgtcccttt cctgaaatgc ttgggaccag aagtattttg tattttggaa   10320
tatttgcatt atacttacca gttgagcatc ccaaatctga atatctcaaa tctgaaatgc   10380
tcgagtgagc agttcctttg agtatcatat cagtgctcgt gaagtttcag attttggggc   10440
attttggatt ttggattttc acatttggga tgctcagcct gtactaactc tgttctcctt   10500
gactccttct tcacttggct ggcaggactc ctgcctcttc ttgtctcctt ttacctagat   10560
ggctgctttt tctgtctttg ctgtctcctt cttttcctga cccttaaaca ctgaagtggc   10620
tcagagccca ttctttggtt ctccagaagc ctgttaccct gtgctccgtt tttctaactg   10680
gtggtttgta gggcccctct ttactatact gaactgacat gtgtaggtga tatagcccac   10740
tgacccacat cgttatttta aaaatcagta ttcatctgta actataatag gaagaacat   10800
cagaggaaat aaacgaattt gtataatact cgaatatgtt tccagatgta catgcttaag   10860
cacagctgtg tcagaacaca aagtgaatta ttcaggcgtc tgcccctgta ctcaaacgca   10920
gcagttagaa atgcagacgg gagtgtcaac tggataccac taggagtgat gctattggtg   10980
atacggcttt gtgaaatggt agataaagtt gattagagtc caaagtaaag aataatctgt   11040
ttatttacat agtagttaca ttcctagaag attccatgga aaatcaaaag cactccaaaa   11100
ctttgggctt atatgtataa tggaattatg ttttaggtgc agataactgt aaacacattt   11160
tttacctata ccaatatctg gcaggatatt tgttgttttg ttgttgtttg gttttgtttt   11220
ttttgagaca gggtctcttt ctgttgctca ggctggagtg cagtggtgca agacggctca   11280
ctgcagcctc aacctctcca gctcaagcag tcctgcctca gcctcccaaa tagctgggat   11340
```

10281

```
tataggtgca cgccatccat aatgccaggc taattttttaa gttttttgta gagacagggt    11400
ttcattatat tgctcaggct agtctggaac tcttagcttc aagtgatcct cccacttcag    11460
cctcccagag tgctgggatt acaagcatta gccactgcgc ccagcctcta gcaggatgtt    11520
tgtaagggcc aagaggatat gagacaattc attgtgccag acattgcaga acatctagca    11580
ttccaggccc ccacctgcta aatgccagta gcacccccac aatatttcag acagtcaaaa    11640
acactttcag gccaggcacg gcggctcatg cctgtaatcc caacactttg ggagtctgaa    11700
gtggcagccc aaagccagag gatcacgtga gttcaggagt tcgagaccag cctgggcaac    11760
atagtgagac cctatatcta ctgaaaaaag aataaaaaaa ttatccaggt gtggtggtgc    11820
acgcctgtag tctcagccgc ttgggagttg aggtgagagg attgcttgtg ccccagagat    11880
tgaggctaca gtgagctgtg atgcactcct gtactcagcc tgggtgacag agtgatcccc    11940
atctcaaaaa aagtaaattc agatttccaa aggtttccta gggacaggac accaacccca    12000
ctgagaagca gtgccctaag cagtcacacc cggtcccagg gctttcagcg gtatctctga    12060
gttaagtttg tgcagactgg catctgcatg ctgatggctc cctgagctcc agactcctgt    12120
ccaactgcct gcctgttgtc ttcactggat atcccacgag catctcacac tttacatgtc    12180
taaaacagct cttggccttc tcccctaaac tcttcctcct cctcttccct gtttcaataa    12240
atgactccac catccactta gccgcttgat cagaaactta ggagtcattg tggacacaca    12300
cacacataca tacatgtaca catacacaca cagacacaca catatacatg tacattctct    12360
tacgtgacaa atgtccatgt taccaggcct cactgtgtca tagctgtcat tttgaatggc    12420
tcttttccac tgattgtgag ctccaccaga gcttggacta tgttctgctc atcagtgttc    12480
ccagggctta acagggacct ggttgtcaag tagacactta attgttaaat aaatgaatta    12540
atgaaagaac agaccagtat aaagtgattg aaacacctca cttaccattt cactgactat    12600
taactgaatc caagataagg tggccgcatt tgcatgtgat ctgtgcatcc ccgagtctga    12660
gcctgactgg ctgaagggct gtcaacagcc tgcacagacg tcctttaagg gctggtagcc    12720
agggttcggg gagctgatgg ttgttctctc cctcaggtct actatccatg gccaactctg    12780
gcccaaacac caatggctct cagttcttcc tgacatgtga caagacagac tggctggatg    12840
gcaagcatgt ggtgtttgga gaggtcaccg aaggcctaga tgtcttgcgg caaattgagg    12900
tatgtggcca ggaatgggcc tcctccttac ccaggcccta ggagcacagc cctgtgtgag    12960
ggctggagag tctctgtggc ctgagagaga tggccagggg ctgtgtccag cgggaggggc    13020
tgctgctgcc caggttccgg ggtggaagtg ggcaaatggg caggcagggg ttggtatccc    13080
taaaccactg ttagtctccg gccttactcc ctcacttcta ttctgccaca aaggcccagg    13140
gcagcaagga cgggaagcca aagcagaagg tgatcatcgc cgactgtggg gagtacgtgt    13200
gaggcggcac tctctctgct tccccctccg ctcttgaccc tgcatatcca ggaaggaact    13260
gccagcctca gaggaggcag caccgagggt gcctgtttga agcaagcagc atttgggata    13320
tgtgcccttc ctcagggtct gcttggagca gctcctctgc aggcacagcc tggactattc    13380
ccaggcacag ctgtgggccc aggagccagc tcaggtgctc ccctccacca tgggcaggct    13440
gtgcaaaaag ccactggctt ttctcagcat ttgctgctgg gcctctcctg ggactaccag    13500
tgtggctctt acgtgttttc tttgctaaaa taaaccctag ttcttatatt gctcttcctg    13560
ctagttcttg ggagttgtca gagattgtgt ctgtggctaa gctggacctc tgaggcaggc    13620
tggtgagtgg ggagagcaga gcatcttttt cacagctttc atttcctccc ttgggccgat    13680
cccccttagat gtcaggtgat gtatcttcac accaggcatc gatgtcaggg caacgaaaat    13740
taaagactgg aaagctccgg tcttctgctg cctctgctcc taaacccagc tgccggcctt    13800
acagccagca agtgtactct cagtggttca tttgtttatt tgttcacttt caccctacag    13860
attttaaaaa atgaaatttt tataactcaa agtgccttct ctgtgccaag tactatgcct    13920
atttgtcagg agacaggaag ccaacaaact acatgtgcct aatccagccc actgcctgtt    13980
tttatgaatc aggtttttatt ggaacacagc cacgtccatt tatttacata ttgtccatgg    14040
tggtttctta ctgcagtggc agaggtgcgt aaggggctat agacacaata caggctatgg    14100
tccctgtatt agggtttttct agagaagcag aaccaatagg gtgtgtatat atgtagaaag    14160
agatttattt taaggaactg gctcaagcag tggtaggagc tggcaagtct gcaatctgca    14220
caacagacca gcaggctgga gactcaggaa aaaaactgat gttgcagttc agctctgagg    14280
cagtttggaa gcagaattct tcctccagtg atctcagtct tttttctctt aagaatttca    14340
actgattgga tgaggcctac ccacattatg gagggtaatc tgctttactc tctactgact    14400
taaatattaa tccatctaaa aaataggcca ggcatggtgg ctcatgccta taattccacc    14460
actattggga ggctgaggca ggaggatcac ttgagcccag gagttcaaga ccagcctggg    14520
caatgtagag acccccatct ctaggggag aaaaaaaagc caggtatggt agtgcacacc    14580
tatagtccca gctactcaga aggctgaggt gggaggatcg cttgaacctg ggaggttgag    14640
gctgcagtca gccatggtca tgccactgta ctccagcctg ggtgacaaga gggagaccct    14700
gtcttgaaaa aaagaaacca tcatcacagc aacatctaga ctagtgtttg actaaaaact    14760
ggataccatg gcctagccaa attgacacac aaaatagacc atcacagtcc caaggcctaa    14820
aatacttact atctgagcct ttacaaaaca ggattgccag ccactgaaga gaacaaatgg    14880
tcccacccc tgctgagctc acagtctggc tctcctgtgt gcagccactt cttggagctg    14940
gcttctctcc actcccctc cagatgctgg tcagccaggc ggttataaag aatctcatct    15000
```

10282

```
gctgaaggct tttagcaggg actgagtcct gtagctgttg gacacctcct gtgggttggg   15060
tcactcagac cattcagaat ccactgagct gagcttttgc atcttggatt gagatctgga   15120
tgagccagga ggcaggagag gctaggtggt cctcatgacc ctaggatagc tcttgctgag   15180
ggatggtggc attctgccct acctctggct cccatgtgcc gactggactt tgtgagctcc   15240
agctgctaca gttgactgag ttcaggctcc atgtagctgg gatatactac atggttaccc   15300
ctcacccta tggagcttcc aaaagagacc ctccctcaaa gcacagcccc ttctctgagt   15360
gcaaataatg gccatcagag gtcagtcaca ggtgttaggc aggcatctat gaagctgggg   15420
atgatagcac tgacttcagt gcttggacga gaaccaggag agagtgtgta gaaaaagcac   15480
agccagcctc ccataaaagg acagactcct gtgacaacct tgtcactctg ttcctccctg   15540
atactctggg gaggtggagg ccagtgggca gttctgaaag ctcagcaggt ttggagccat   15600
tgggtgtgga ctcctctccc agtgttcctc ctgggtgttc acagatgtta ttgaatgcac   15660
actggaaccc tgcacaggta aactgaggct ttattggcgt gactgccaaa ggtcacacag   15720
ggtggtttgg cagagctggg attagaagcc cagcctgtct ctcttcagta gtaatggagt   15780
cctgggaggt ttactaggct ttagcctcaa tctgtggcgg cagggtccac agccctgggg   15840
agtgacacag tcatggtccc catgattggc caggacctgt gtggagagac acaggagaca   15900
agaccctgct cttccaggcc agaagggagg ggagccccag agctgggcag tggcatgccc   15960
cacagcctgg ccacctgctt cggctacgca ccatgcagca gctgcacctg gctgcctcgg   16020
gaaaactctg acctctctgg gaagtggagc cagtggctct gtgggcgtcc tttcctgcag   16080
cctggagagc aaagcggctt tccctgggac tgtgtggctc ctgtcccaac tggcctcccc   16140
attccacatt cccattgctg gaccagcacc aggactgggc acagggcttc cttttgctga   16200
ttcatttccc ccctaactca ttcagagttg agccccatct gagtccccac atgctggccc   16260
tgaaacggtt acaaaggctg aaaccaggga tggcaggccc aggatcagtg ctgtggctgt   16320
tggagtgtcc tctccaacag catgacagcc gcctccaggt gctcccagca tctgttgcag   16380
tcatggcagc ctcacggcaa cctctgaaga aggaattata gaaccaactt tttattgttg   16440
aaaatggagt cttgtagagt tcagtgatgg gaaactaaag tagaaaaagc acatcacaaa   16500
gaaacatata tagtacagtg tgatcccaat tttgtaaaaa tatctgtaat atgtaagcat   16560
aggtatttgt atatcttaag aaaaaaagcc tagaaataaa gccacaaaaa tattaatagt   16620
gtgtttattt gacttgtggg actgtagtga tttgaattgt attttatttt ttatatatcc   16680
cactttcctc caaaactgca ttattttttt gagaagtgaa agacattttt gaaaaagggg   16740
gtcaagtgcc catccagggt tcctttcaaa aaggggggcca agcagttgac ctggatgggc   16800
agttccccca tgcaaattgc cacccaagac acctggtggg tacagacctc tctcagcagg   16860
acatgggatc ccattgtctg ggaacacagc aaagtttcac agccgctgcc acaagtgaca   16920
cttgctaggc ctttaaaggc tataagaata caagtcccgc cctctgaggg atgccatgtg   16980
tagatggttt aggaaagagc acagctctga aataaataca tcatcacctg cagaacacat   17040
tttggtttaa tggacagaca tagaagtggc tcaaaaataa gcaaattcat ttgtaataat   17100
accagcaaat acctattgtt aagcatttat atgtcagaca tcccaaagat ttgtgtacat   17160
atttagtctt tataatagct ttgggaggaa agaaccaata tcatactcta caaaggaaga   17220
agcagaacca ggattcaaat ctatttggca ccaaaaatct gcctcttgct acactgcctc   17280
tattcctgtt tctttggacc ttttccagaa catgttactt ccctgcctca gttagaagtt   17340
agtgactacg aatcccctgc tgacttggcc tcaaggccag tattgcaccg caaggaccaa   17400
gactgctggg cattcctctt ttgcctgttg tatgcgtcct ctcttcctgt caactgtcat   17460
tgatttctca ttgctgtcag tagatctgaa acaaccacca ccatcatcct tccaaccctc   17520
atctggtgca acgagataaa caggccatgc cctgagcaaa gaaaagggaa atggtggtat   17580
ctgtgctgcc agcctgggcc acccactgca gatgcacatg cttggctcag caaacggata   17640
aggattaaat tcatggactt tgtgttcatt cacaattgtt tcattgctca agggattttt   17700
ctattttatt tcatttggtg actatctgga tgataaaagt tgctgaaagt ctgatggcca   17760
actaggtaga caaagcctta tgttttttcca ttgttctgta tgaaccagga ggatcacggc   17820
tcgtattggt tcctgctatg cacagcttga ttaatgggta aggtgtactc catatctaca   17880
aaccttcagg tagtttacag acattcttgg tgcaccccta actatgccag atcattggct   17940
gggcactaaa gatacaggtg gagtaaaaaa ttaattgtca aaataactgg ctaatttaaa   18000
atttacaatt gcctagaaga ccatctttga tgttaagaag gaacaattaa gtaaatacta   18060
ggatggcaaa caggttccat aatttcattt tgttgagaca acagttttgc tcatgtcacc   18120
aggctgaagt gcaatgttgt gatctctgct cactgcaacc tccacctccc aggttcaagc   18180
aattctgcct cagcctcctg agtagctggg attataggca tgcaccacca tgcccaggta   18240
atcttgtatt tttagtacag atggggtttc actgtgttgg ccaggatggt cttgaactcc   18300
tgacttcagg tgatctgcct gccttggcct cccaaagtgc tggggttata ggtgtgagcc   18360
accatgc                                                              18367


<210> 11706
<211> 19633
```

<212> DNA
<213> Homo sapiens

<400> 11706
```
gcgcgcgagc aagatggcca ccaccaagcg cgtcttgtac gtgggtgagc aggaggggtt    60
gctaggcgga gtctgagtga acgcgacccc caagggtcgg ggcgtggggt gggacgcatc   120
tctgaaccag gaggacggcg agctgctgtc aaggccgggt ctctggcggt agtgctggcg   180
atagctctgg ctgtgcttaa actccttcca aggtttccca ctgtcctcag gaaaaagtgc   240
agacttctta gcagtacgca cttctccagc ttctttgctt tgcttcccga ttcgctgggt   300
ctcccgaaaa atgacccact tgcccccaag gttcaggtta tttcacacct ttgggcctct   360
gcttttgcga ctcccttgca gtgaacagcc ttgccacaca cctcaggtgc gtgaacccga   420
gacggaatga ttattctgac ttcctagccc gctgagctcc agcgggcccc gaggagcggt   480
aaaggagtat tatggccctt cggatcctct cgttcatttg ttttacaaac attcagtgca   540
gcgacggctc agccccagcc cctgccataa aggaaggagt tcccagacta gccagaaaaa   600
aagtggaatt acctcagtag cacacttttg ataagcgctg tagtgaggat ggatcatgat   660
aatatgggcc tggctgcggg acaaatgacc catccatctg gagaagcgag ggcaaattct   720
ggatgcggcg atgccagagc tgatgagcag gagttagcta cgtaaccgaa gcagaggcaa   780
ggccgttcac tgcaagggag tcgcaaaggt gtgaaatagc ctgacacttg ggggcaagtg   840
ggtcattatt cgggagaccc aggaaattag gaagcaaagc aaaaaagctg gagaggtggg   900
tactgctaag gagtttgcac tttatcctga ggacagtggg aagcctttga aggagtgtaa   960
gcgaaaagtt acgggttcaa atttgcattt tcctaagatc attctagttg gctttgtgga  1020
gttgatggaa tggaggcagg gaggtcagtt gtgaagctat tgcagtaatc ccaggactag  1080
atgagagtct gaaagaaggg cgaagagagg aatattttc ataagtatgg gtgggcagag  1140
atgagagggg gatgtttgtt tacccaaaga actgaatgga agggtcctgt cccctggcta  1200
gcatgctaac tgggctgcaa ggacttctgc aagagtatgg agatcagtgg ctcagaaggc  1260
ccttggctta tttgcaggtg gactggcaga ggaagtggac gacaaagttc ttcatgctgc  1320
gttcattcct tttggagaca tcacagatat tcagattcct ctggattatg aaacaggtga  1380
gttagtgtct ctcacgttca gaatcctctt actaggaaaa taccttaaaa aattaaagtc  1440
acatcacaat tctaaatatg cattctaaat atggttagta tacactacag gtaagttcag  1500
gaaggtgtct ggtgacagtg atctcgatgg agaaggaatg ttctgaggcc atgtggttgt  1560
gaactctgaa tactttccag agtcttcagc tgttgggttg agataagaca gattttcaa  1620
tagaccagta gggagatagg tttgaactac attgagattt gaatgttgtt ttaatctacc  1680
tgatgggtac cccatcccac ctgcaccttc ttgcagctgt gctattaaat gaggcagcgg  1740
gaaagcctag ccccataatg ggggtggggtg agggcggggg ttcttggcct ctgcaccect  1800
gggtgggttt cccatcgatt ggtatcacaa ccacagttca gttttctgtt tacctttgtt  1860
gtcatttta agattatagt tttaggccta gttttatcat caaccttgca tatgattgtt  1920
agcaaagtct ttaaactctc tgggcctggg aaatctttat ttgcaaaatg ataaggttat  1980
gttggctttc taagggcctt ctagtctctg agttctatga taaacattat tgtgcttggt  2040
ctttctagtt agttcagcat tttcctgaag ataaagactg agcatcttta tcaggtttta  2100
ggattcatgc tttatgcaca gttgatgcgc aaaatatata tttagataga taattgatag  2160
gtcaaatgac tttattttc taattgcttt gcatgcaatg gttaaggttt taagtttggc  2220
tttcgtagaa taattgaata cttatcaatt aaaaatacag tttactattc agctatgtcc  2280
attaaaaaaa caaagtttat tattgcttaa aatattgtat aagaagaatc aagaatgaga  2340
ttccttcttc ctaaatagtg attggataga acttctggtg tttggatacg acatgtaact  2400
gacttcactt tgtgaccatc ctgtttcttc ccactacccc acatagtaat tacttgtttt  2460
tgttttttcca ttttgtagaa aagcaccgag gatttgcttt tgttgaattt gagttggcag  2520
aggtgagagt ctgtgttact agtgtctagt ccttggtttg tgatgttgtt actgattaca  2580
aaggaagctt ttcaccattt ggttaggttt ttgggcctta ggctgatgct tccagagaga  2640
tcagaagtaa gtgctgttct aaggaaagcg tctctcacat aatcagactg gactgtgaat  2700
aacatgtcag acctgccagg ccctcccatt cttgccctgc agaggagcta gctcatgcac  2760
ccctgttcat tgagcattct tgcctggaag tagtgattat ttcttgtgcc ttcaactaga  2820
tggcaaattg ttgcaccacc agctctaaaa tcagccagga agtgctcttt gttagaaaca  2880
cacaaaacct aggcaagaaa tacagaggtg gcattttct ggatttttgc tactgagcat  2940
gtgtttagac accataagaa gcatttggct gcaagcctaa acttgtacct ttgtctttcc  3000
ttggcaggat gctgcagcag ctatcgacaa catggtatgg ctgggaatct taattctaac  3060
taaagttgct ttttggtggt acagaggctc cttattcata tatcagtgtt ctggacttcc  3120
aaagttacaa ggttgcatgg ggaggtaaaa attctcacat gaaaatattc actgtgaatt  3180
gatcacttat aaaattagtt cttactcaga ctccttcgcc atttcagaat aatgtaagtc  3240
ctcatcatcc ttgttgacca gtctctcact ggctctccca tgtttaggat aatttgcaga  3300
cacagtgcaa attgattgca cggtgtaact gcatattttg caaaatagca ggatttcatg  3360
aagtgttaga ccaatttaca attgagaaga gaaatttaat tatggcaggt gcaaatcact  3420
```

```
gatacaaatg atttggatat tctggaaagg tccttgggaa aaatgatgat gctctttagt   3480
atttgtgcct tccttgagat cctttagtt ttcatgtctg ataagaagtg caaagatacc   3540
atactgttga tagaattttg ttggaaaaat aatacttcag tgcctgttac ttttctttcc   3600
ttctttttt ttttttttt ttttaacaat cttgaactca tgagttcaag acttctcagc   3660
ttctcaagta gctggaatta caggctcaag ccaacagggc tacctgggct acctgttaca   3720
tttctttcta ccaagttaca tttctttcta ccgattagtg catagttagt cctgaatatt   3780
aatggtaaga aacttgtttt tattattttt agtttcatca cagtaatttc ccagtcagcc   3840
ttttaaaatt tttcaatttt accacgaaat cttcatcacc acttcaagtg gagtcacctt   3900
aaatgacctt tcctggtacc gattatcttt ggataatgag atgttgtttt atttgttgtt   3960
ctgttatcca ttcaccaaac atattcatca gctgtcagag atcatttttc tttcatttca   4020
aagcttatct tgacttttga aggtgaactc aaatactggg aaactgcatt tatttttgta   4080
attttggagt gttctgaacc cagagttact tttggtaata caggtctttg tgtgctgcta   4140
tgaaagaaag gggtgtgagt tccctgaaac ccacaggtgg ctttggggtg gctgcatagc   4200
ttactggtag aggcccaggg attaagggag gacaaatcat gagtgtgtct cagaagtata   4260
tggaaagctg gctggccctc ttttaaccta agagagttta agcagctgga ttttcaatct   4320
tttcagaatg aatctgagct ttttggacgt acaattcgtg tcaatttggc caaaccaatg   4380
agaattaagg aaggctcttc caggccaggt gagtaggagc aacttccaga ttccctgtga   4440
tgttctgcag tttggcctta gttgcatttt ttgtctctat ttacttggaa gtagatgcta   4500
aatgctgctt cctggtagat aggagtagat gatggttcac attgggaagg gcatgcacca   4560
cctttttaga gaaacaagtg agtttgagct tctcagcaaa gccaaagtga ttgtttctgt   4620
tatgagagaa attcctgcct gagctcatct ttcccagttt tcttgatatt ccattcctgg   4680
ggtctccatc aagggctgaa atcagcaaag gctacacctt tgctttcggc atagctattt   4740
tccttagccc tactgagagc tggacttcag ggcctacatt ctggatggga actttcctta   4800
cccctgggag ttctcagtgg ggaattgtct ggcatacagg ccacatagca tcttccactt   4860
tgctgaccaa agcagctact tttcagttca agctgacagc ttgaatgaac atttgtttga   4920
ttctttcctt tcagtttggt cagatgatga ctggttgaag aagtttctg ggaagacgct   4980
tgaagagaat aaagaggaag aagggtcaga gcctcccaaa gcagagaccc aggaggtgag   5040
aatgaagctc ctgcttccag agcacaggcc ggcgctgtcc acaggagact tttttttta   5100
agttttaatg gaaatttgcc aatatgtata tcaaagtgga gggaatgaat aatgaattct   5160
tagtactttg gtaaagtcaa tattgagttc ttagtacttt ggtaaagtca atatcgagtg   5220
aattcaaggg cgaaactttg ggtctcttgt ccatgttgtg ttctatgtga tgagtgtctc   5280
agctctgctc aggtatggat ttgtgattat caactgacag ggaggaagct gaggtgcccc   5340
tcttcacccc tcctgatcag tccccctcct tcactgaaga gtttgccaca agggtcgtgg   5400
tcttcctatt cctgtgctaa tggagggggag acagaatagg gtagtgtccc ttccttcaac   5460
ctgtacatgg gttcagggtt ctccagtcct acgggaacct gctggggcac ttccccctga   5520
ttctcagcat agtctctgac agttgcttcc tgggcgtccc ctcctctgag tactttgtga   5580
atgttgtcat tcttctgtat ttctttcttg gctcatggtt tctctctctt ctctcagctg   5640
aaacagtagc agtctatctc tagtttatg cagcctctgt tatgctgttg atcttcatgg   5700
tctctttcta gtcctgagct tcagatattt ctgcctgcaa gtctcatggg cagcttaagt   5760
ttgcctaaaa tggattctcc cgcttctcta atcctgtctt cctgtgttct caatcttggc   5820
taatttgcca ccattcatcc acacattgac ccacgccaga aatttgaatg caaatcagaa   5880
ctcataaagt ggccatcaca gtcagtggag tcccctgga tcatcctgta tcctctgctt   5940
agtcttacct acttggagca caatgcaagg cccaacatct tccactgtct tctgagcact   6000
taggcctgag caagagggct gcccccttgc ttccatgtag ttagccagtg tatatgcagg   6060
gccaggcaca gagggacgag gtggtacatg gatgggtctg cctaactaga ggacagtggg   6120
tgggctggaa ctggcatttg aagatactga gagttgtgga tcatggacca gaaaagtgct   6180
gttctgtgac tgtgaagcaa gaggaggaag cagatgcatc tgagggcaag catgatgaga   6240
taacacccc gtgtgtgagg ctcaggttag ccagtgctga gacctcctgt cgctgggcat   6300
ccagctgggt gctacggcca tggctcctgc ctcctgcagc cctatcaggg cccaaggcct   6360
tccccgtcag cacttgctcc agcctacgca ctggagttgt gttctgggtg ggtgtgtaga   6420
atactcgcac tcctacttag ggcgtcaggg agctctctct aactagcaat ttcttctgca   6480
cctagggaga gcccattgct aaaaaggccc gctcaaatcc tcaggtgtac atggacatca   6540
agattgggaa caagccggct ggccgcatcc agatgctcct gcgttctgat gtcgtgccca   6600
tgacagcagg tgagcaggac gctgtggtca gaacggcggg acgctggtgg ctgagcagtg   6660
agcctttccc aggttcttac tgcttcactt cttgtgtcct tgatattgct tctgacctaa   6720
gttgatttga ggcatctcag atcctgggat ctagtaacag ataagtcaga gcaggtgttt   6780
ttgaagcttt ataagtgctg gcttactgtt ttttaatcgt tttttaaaaa tacaagtaaa   6840
taatgtattc tttttttaa agaatagcat atacatatat tccaataata tttaagacaa   6900
taaattgaaa attcattttc ccctctctac atccagtcct caattctaga agtaactagt   6960
gcttttattg agtattcttt gtaatttatt aaatattgac ttctattctc tttttaatct   7020
aaattttatt atctagacat ataaagagtc aattcagttt cacaaagctt gttttgaaaa   7080
```

10285

```
aacagtcgtc ccctggtgct gtccctgtgc cctgctgcca acaccatttg ctgctcctca   7140
gaggagcgga tttcaactct taggtgtttt ggttttattt tccatgttga taacagtttt   7200
atatttctac ttcctgtttt ccattttaaa cattatcttc tgattttcta cttcagagaa   7260
caaagaatta gttttttaaa atcccttcc ctgcccctc atcttccctg tataggtacc   7320
ataattttgg ttaggtccta agttatttta acaatgtaag catcatgtga taacctcctt   7380
tcatgcacag cattttgttt tgcctggaat tgataattgc cttgttttg catagttttc   7440
tgtgtaatca ttcctgattt tctcccagac catcctgctg ggggtttttgc atccaggtgt   7500
ctgcatcttg ttaaggggag atgagggcaa ggctgaattc ctcaacattc agtatataaa   7560
ctttcacata atctccattt gtcattatgg tacctcagcc ctcactatgc gtaggatgtc   7620
ctagtccaga gaccctctgc tttaacctac caaagactag accccagct ggctaccagg   7680
ttggggaggg gtggcccca gctgcagagt cagggaaagg atcccaaaga ttaaccactt   7740
tcttaaatgg gctttcagcc aaacttactg tctccaggat tacctgcacc cttcctctg   7800
agcttttgga gtgcaaattg agttgcttct tggcttttac cagcttaaga ttcagctttc   7860
tcgggtctgc tatatcattt aggactcatc tattttgttt tctaacttca gaaattttgt   7920
tgctgttgtc tcttcctccc tgctttttaa gtttatttt tggctatttt agccacttta   7980
aagtgtttgt tagcagtaat tactctgttc gaaatttttg aatcatccta aacaaaacca   8040
cttattaaag gtacctatta aataataact ccccattttc tcctcccctt agcttctgat   8100
aacctctaat cttttgtgtct atgaattggc ctatcctaga ttttcatgt aagtggaatc   8160
atacaatagc tgtccttttc cacgccttgt tgattttgca tagcataatg ctttcaaggt   8220
tcatccttgt accatgtatc agtgcctcat tccttttgt ggctgaataa tattccgttg   8280
tatttggata aatatcttgt tcattcattt gttgatgggc acttgcacat tgttttcacc   8340
ttttgactat tgtaaatgcc tgtgtgaata tccacatgta agtatatgtt taaattcctg   8400
ttttcaattc ttttggatat atatgcctag gaatggaaat gcttagtcat atggtaactc   8460
tgtatttaac tttttgagga aatgccaaac tattttccac agtggctgga ccattttaca   8520
tttctaccag caatgtatga gtgtttcagt ttttccacat cttctctttt ttttttttt   8580
ttttttttt tgagacagag tctcgcactg ttgcccgggc tggagtacag tggcgtgata   8640
ttggctcact gcaacctccg cctcccaggt tcaagtgatt cttgtgcctc agcctcccga   8700
gtagctggga ttacaggcgt ctgccaccat gcccagccaa ttttttgtat ttttagtaga   8760
gacgaggttt caccatgttg gttggccagg ctggtctcaa actcctgacc tcatgattcg   8820
cctgcctcgg cctcccatag tgctgggatt acaggcgtga gccaccatgc ctggcccaca   8880
tcttctctta acaggtgtga catggcatct cattgtggtt tttatttta ttccctactg   8940
actaatgatg ttgaacatct tttcatgtgc ttgttgacca tttgtatatc ttctttggag   9000
aaacatcttt tcaaatcttt ggcttattta ttaactggat tgtttgtttt gttttttta   9060
agagacaggg tcttgctctg actcccaggc tggagtgcag tggtgagaac atggcttact   9120
gtagctttga acccttgacc tccagtgatc ctcctgcctt gacctcccaa agcactggga   9180
ttacaccgtg cctggccatt ttgttgttga attataggag ttcattatat attctggata   9240
ttaaacccat gttaaatatg atttgcaaat aagcattctc ctgttctgtg ggttgctttg   9300
ccctctattg gtacggttct ttgatgcacg tcttaaattt tgataaaatc taattatttt   9360
tttcttttcac ctctgctttt ggtgtgacat ttaagaaacc atcaccaaat ccagagtcat   9420
gaagatttgc ccctatgttt tcttctaaga tcctttggtt tttcttttaa aaaatcagtt   9480
tcctaccaat ttagtgtggt tttaaaaggg aacagagctc gaacatgtat attcaatccc   9540
ccttcaacag aatctcctat agtcctggcc aggtgtggtg gtttacacct gtaatcccag   9600
cactttggga ggccaaggtg ggcggatcat ctgaggtagg agttctagac cagcttggcc   9660
aacatagtga aaccccatct ctactaaaaa tacaaaatta gccaggtgta ggtacatgc   9720
ctgtagtccc agctactcaa gaggctgagg caggggaatg acttgaaccc aagaggtgga   9780
agttgcagtg aactgagatt gtgccattgc actgcagcat gggcaacaag agtgaaactc   9840
cgtctcaagg aaaaagaatc ccttatagtc cttacaggt tagtatcaca aaggtttata   9900
atgagtatct cttattttaa aacaaaaata tgaacactaa accaaagttt tttcgaggtt   9960
ttttattttg tcctattttt taaccccagc gctttttcct ttctcaattc cagagaattt   10020
ccgctgcctg tgcactcatg aaaagggctt tggctttaag ggaagcagct tccaccgcat   10080
catcccccag ttcatgtgcc agggcggtga tttcacaaac cacaatggca ctggggggcaa   10140
gtccatctat gggaagaagt tcgatgatga aaactttatc ctcaagcata cgggaccagg   10200
taggagccag ttggcatgtg gtgacgaggg aggctgggca agggtgggat ggccaggcag   10260
gatggaagga caggttgtag ttctggctgg cggacactaa gagtctggag gagacccagc   10320
caccagacat aggagaacca tgcagccttg ctaggtgga gttggcttgt tgacattcag   10380
gtactgttca tcccccaacc gtgtccacaa ttcctattag ccccgcttgg attctgtggt   10440
ctgctgttgc aggctcttat gctctcaacc ccactgctct ccctgccctc accatcagat   10500
ttactcagta aaatctcggt ggttagtccc ccagcaacta gagaaaaaac acagaattgt   10560
actgaacaat cccacttgaa atttataact atagttctta aggggaccct tgccaacctg   10620
accagatttc cctacttgat gctcagtccc aaccggagat gatgtgtcca tgcccgtctt   10680
cacttctgaa gccctcatat catcaccttc ccacctcatc taatgcttca cctcctgcat   10740
```

10286

```
ctctccactc gtgcatgctc tttcttccaa ttacagggga tgagctgtct ctcctaggcc   10800
agcctctcca cctgtggact ggatcctgtc cctctcctct acttaggaac atggcttcta   10860
aagttgtccc cttcttgtaa tccatttccc ctgctctgct agatcagtcc attagcatga   10920
aagcatgcag ttatcaacct ttaaaaaaaa tcttcatccg gttgccgggt gcagtggctt   10980
agtcctgtaa tcccagcatt ttgggaggca gaggcaggcg gatcacctga ggtcaggagt   11040
tggaggccag cctaactaac atggagaaac cccatctcta ctaaaaatat aaaattagcc   11100
gggcttggtg ggcgcgtgcc tgttatccta gctgctcgaa aggctgaggc aggagaatca   11160
cttgaacctg ggaggcggag gttgtgatga gccaagatcg caccattgca ctccagcctg   11220
ggcaacaaga gcgaaactcc gtctcggaaa aaaaaaaaca aacttcatcc ttgtactctt   11280
gttccctctc cagctatcac ccatgcccct ggtcccccat ctttttttcaa gaagtaaaag   11340
cataacttct tgaaaacatg gtacagactt gctgccttcg cgtttttctct aatcccttct   11400
aggcagactt ctagtcccat ctcgccattg aaaccactct tgccaaaaat acgagtagcc   11460
agttcttggc gatcatctta tcccacctcc cagatgttat cccacctccc aggagcattt   11520
catactacag gttgagtgtc cctttcctga aatgcttggg accagaagta ttttgtattt   11580
tggaatattt gcattatact taccagttga gcatcccaaa tctgaatatc tcaaatctga   11640
aatgctcgag tgagcagttc ctttgagtat catatcagtg ctcgtgaagt ttcagatttt   11700
ggggcatttt ggattttgga ttttcacatt tgggatgctc agcctgtact aactctgttc   11760
tccttgactc cttcttcact tggctggcag gactcctgcc tcttcttgtc tccttttacc   11820
tagatggctg ctttttctgt ctttgctgtc tccttctttt cctgaccctt aaacactgaa   11880
gtggctcaga gcccattctt tggttctcca gaagcctgtt acctgtgct ccgttttct    11940
aactggtggt ttgtagggcc cctctttact atactgaact gacatgtgta ggtgatatag   12000
cccactgacc cacatcgtta ttttaaaaat cagtattcat ctgtaactat aatagggaag   12060
aacatcagag gaaataaacg aatttgtata atactcgaat atgtttccag atgtacatgc   12120
ttaagcacag ctgtgtcaga acacaaagtg aattattcag gcgtctgccc ctgtactcaa   12180
acgcagcagt tagaaatgca gacgggagtg tcaactggat accactagga gtgatgctat   12240
tggtgatacg gctttgtgaa atggtagata aagttgatta gagtccaaag taaagaataa   12300
tctgtttatt tacatagtag ttacattcct agaagattcc atggaaaatc aaaagcactc   12360
caaaactttg ggcttatatg tataatggaa ttatgtttta ggtgcagata actgtaaaca   12420
catttttttac ctataccaat atctggcagg atatttgttg ttttgttgtt gtttggtttt   12480
tgttttttttt gagacagggt ctctttctgt tgctcaggct ggagtgcagt ggtgcaagac   12540
ggctcactgc agcctcaacc tctccagctc aagcagtcct gcctcagcct cccaaatagc   12600
tgggattata ggtgcacgcc atccataatg ccaggctaat ttttaagttt tttgtagaga   12660
cagggtttca ttatattgct caggctagtc tggaactctt agcttcaagt gatcctccca   12720
cttcagcctc ccagagtgct gggattacaa gcattagcca ctgcgcccag cctctagcag   12780
gatgtttgta agggccaaga ggatatgaga caattcattg tgccagacat tgcagaacat   12840
ctagcattcc aggcccccac ctgctaaatg ccagtagcac ccccacaata tttcagacag   12900
tcaaaaacac tttcaggcca ggcacggcgg ctcatgcctg taatcccaac actttgggag   12960
tctgaagtgg cagcccaaag ccagaggatc acgtgagttc aggagttcga gaccagcctg   13020
ggcaacatag tgagaccta tatctactga aaaaagaata aaaaaattat ccaggtgtgg   13080
tggtgcacgc ctgtagtctc agccgcttgg gagttgaggt gagaggattg cttgtgcccc   13140
agagattgag gctacagtga gctgtgatgc actcctgtac tcagcctggg tgacagagtg   13200
atccccatct caaaaaaagt aaattcagat ttccaaaggt ttcctaggga caggacacca   13260
accccactga gaagcagtgc cctaagcagt cacacccggt cccagggctt tcagcggtat   13320
ctctgagtta agtttgtgca gactggcatc tgcatgctga tggctccctg agctccagac   13380
tcctgtccaa ctgcctgcct gttgtcttca ctggatatcc cacgagcatc tcacacttta   13440
catgtctaaa acagctcttg gccttctccc ctaaactctt cctcctcctc ttccctgttt   13500
caataaatga ctccaccatc cacttagccg cttgatcaga aacttaggag tcattgtgga   13560
cacacacaca catacataca tgtacacata cacacacaga cacacacata tacatgtaca   13620
ttctcttacg tgacaaatgt ccatgttacc aggcctcact gtgtcatagc tgtcattttg   13680
aatggctctt ttccactgat tgtgagctcc accagagctt ggactatgtt ctgctcatca   13740
gtgttcccag ggcttaacag ggacctggtt gtcaagtaga cacttaattg ttaaataaat   13800
gaattaatga aagaacagac cagtataaag tgattgaaac acctcactta ccatttcact   13860
gactattaac tgaatccaag ataaggtggc cgcatttgca tgtgatctgt gcatccccga   13920
gtctgagcct gactggctga agggctgtca acagcctgca cagacgtcct ttaagggctg   13980
gtagccaggg ttcggggagc tgatggttgt tctctccctc aggtctacta tccatggcca   14040
actctggccc aaacaccaat ggctctcagt tcttcctgac atgtgacaag acagactggc   14100
tggatggcaa gcatgtggtg tttggagagg tcaccgaagg cctagatgtc ttgcggcaaa   14160
ttgaggtatg tggccaggaa tgggcctcct ccttacccag gccctaggag cacagccctg   14220
tgtgagggct ggagagtctc tgtggcctga gagagatggc caggggctgt gtccagcggg   14280
aggggctgct gctgcccagg ttccggggtg gaagtgggca aatgggcagg caggggttgg   14340
tatccctaaa ccactgttag tctccggcct tactccctca cttctattct gccacaaagg   14400
```

10287

```
cccagggcag  caaggacggg  aagccaaagc  agaaggtgat  catcgccgac  tgtggggagt  14460
acgtgtgagg  cggcactctc  tctgcttccc  cctccgctct  tgaccctgca  tatccaggaa  14520
ggaactgcca  gcctcagagg  aggcagcacc  gagggtgcct  gtttgaagca  agcagcattt  14580
gggatatgtg  cccttcctca  gggtctgctt  ggagcagctc  ctctgcaggc  acagcctgga  14640
ctattcccag  gcacagctgt  gggcccagga  gccagctcag  gtgctcccct  ccaccatggg  14700
caggctgtgc  aaaaagccac  tggcttttct  cagcatttgc  tgctgggcct  ctcctgggac  14760
taccagtgtg  gctcttacgt  gttttctttg  ctaaaataaa  ccctagttct  tatattgctc  14820
ttcctgctag  ttcttgggag  ttgtcagaga  ttgtgtctgt  ggctaagctg  gacctctgag  14880
gcaggctggt  gagtggggag  agcagagcat  cttttttcaca  gctttcattt  cctcccttgg  14940
gccgatcccc  ttagatgtca  ggtgatgtat  cttcacacca  ggcatcgatg  tcaggcaac  15000
ggaaattaaa  gactggaaag  ctccggtctt  ctgctgcctc  tgctcctaaa  cccagctgcc  15060
ggccttacag  ccagcaagtg  tactctcagt  ggttcatttg  tttatttgtt  cactttcacc  15120
ctacagattt  taaaaaatga  aattttttata  actcaaagtg  ccttctctgt  gccaagtact  15180
atgcctattt  gtcaggagac  aggaagccaa  caaactacat  gtgcctaatc  cagcccactg  15240
cctgttttta  tgaatcaggt  tttattggaa  cacagccacg  tccatttatt  tacatattgt  15300
ccatggtggt  ttcttactgc  agtggcagag  gtgcgtaagg  ggctatagac  acaatacagg  15360
ctatggtccc  tgtattaggg  ttttctagag  aagcagaacc  aataggggtgt  gtatatatgt  15420
agaaagagat  ttatttttaag  gaactggctc  aagcagtggt  aggagctggc  aagtctgcaa  15480
tctgcacaac  agaccagcag  gctggagact  caggaaaaaa  actgatgttg  cagttcagct  15540
ctgaggcagt  ttggaagcag  aattcttcct  ccagtgatct  cagtcttttt  tctcttaaga  15600
atttcaactg  attggatgag  gcctacccac  attatggagg  gtaatctgct  ttactctcta  15660
ctgacttaaa  tattaatcca  tctaaaaaat  aggccaggca  tggtggctca  tgcctataat  15720
tccaccacta  ttgggaggct  gaggcaggag  gatcacttga  gcccaggagt  tcaagaccag  15780
cctgggcaat  gtagagaccc  ccatctctag  ggggagaaaa  aaaagccagg  tatggtagtg  15840
cacacctata  gtcccagcta  ctcagaaggc  tgaggtggga  ggatcgcttg  aacctgggag  15900
gttgaggctg  cagtcagcca  tggtcatgcc  actgtactcc  agcctgggtg  acaagaggga  15960
gaccctgtct  tgaaaaaaag  aaaccatcat  cacagcaaca  tctagactag  tgtttgacta  16020
aaaactggat  accatggcct  agccaaattg  acacacaaaa  tagaccatca  cagtcccaag  16080
gcctaaaata  cttactatct  gagcctttac  aaaacaggat  tgccagccac  tgaagagaac  16140
aaatggtccc  acccccctgct  gagctcacag  tctggctctc  ctgtgtgcag  ccacttcttg  16200
gagctggctt  ctctccactc  cccctccaga  tgctggtcag  ccaggcggtt  ataaagaatc  16260
tcatctgctg  aaggctttta  gcagggactg  agtcctgtag  ctgttggaca  cctcctgtgg  16320
gttgggtcac  tcagaccatt  cagaatccac  tgagctgagc  ttttgcatct  tggattgaga  16380
tctggatgag  ccaggaggca  ggagaggcta  ggtggtcctc  atgaccctag  gatagctctt  16440
gctgagggat  ggtggcattc  tgccctacct  ctggctccca  tgtgccgact  ggactttgtg  16500
agctccagct  gctacagttg  actgagttca  ggctccatgt  agctgggata  tactacatgg  16560
ttacccctca  cccctatgga  gcttccaaaa  gagaccctcc  ctcaaagcac  agccccttct  16620
ctgagtgcaa  ataatggcca  tcagaggtca  gtcacaggtg  ttaggcaggc  atctatgaag  16680
ctggggatga  tagcactgac  ttcagtgctt  ggacgagaac  caggagagag  tgtgtagaaa  16740
aagcacagcc  agcctcccat  aaaaggacag  actcctgtga  caaccttgtc  actctgttcc  16800
tccctgatac  tctggggagg  tggaggccag  tgggcagttc  tgaaagctca  gcaggtttgg  16860
agccattggg  tgtggactcc  tctcccagtg  ttcctcctgg  gtgttcacag  atgttattga  16920
atgcacactg  gaaccctgca  caggtaaact  gaggctttat  tggcgtgact  gccaaaggtc  16980
acacagggtg  gtttggcaga  ctgggatta  gaagcccagc  ctgtctctct  tcagtagtaa  17040
tggagtcctg  ggaggtttac  taggctttag  cctcaatctg  tggcggcagg  gtccacagcc  17100
ctggggagtg  acacagtcat  ggtccccatg  attggccagg  acctgtgtgg  agagacacag  17160
gagacaagac  cctgctcttc  caggccagaa  gggaggggag  ccccagagct  gggcagtggc  17220
atgccccaca  gcctggccac  ctgcttcggc  tacgcaccat  gcagcagctg  cacctggctg  17280
cctcgggaaa  actctgacct  ctctgggaag  tggagccagt  ggctctgtgg  gcgtcctttc  17340
ctgcagcctg  gagagcaaag  cggctttccc  tgggactgtg  tggctcctgt  cccaactggc  17400
ctccccattc  cacattccca  ttgctggacc  agcaccagga  ctgggcacag  ggcttccttt  17460
tgctgattca  tttccccccct  aactcattca  gagttgagcc  ccatctgagt  ccccacatgc  17520
tggccctgaa  acggttacaa  aggctgaaac  cagggatggc  aggcccagga  tcagtgctgt  17580
ggctgttgga  gtgtcctctc  caacagcatg  acagccgcct  ccaggtgctc  ccagcatctg  17640
ttgcagtcat  ggcagcctca  cggcaacctc  tgaagaagga  attatagaac  caacttttta  17700
ttgttgaaaa  tggagtcttg  tagagttcag  tgatgggaaa  ctaaagtaga  aaaagcacat  17760
cacaaagaaa  catatatagt  acagtgtgat  cccaattttg  taaaaatatc  tgtaatatgt  17820
aagcataggt  atttgtatat  cttaagaaaa  aaagcctaga  aataaagcca  caaaaatatt  17880
aatagtgtgt  ttatttgact  tgtgggactg  tagtgatttg  aattgtattt  tatttttttat  17940
atatcccact  ttcctccaaa  actgcattat  tttttttgaga  agtgaaagac  attttttgaaa  18000
aaggggggtca  agtgcccatc  cagggttcct  ttcaaaaagg  gggccaagca  gttgacctgg  18060
```

10288

```
atgggcagtt cccccatgca aattgccacc caagacacct ggtgggtaca gacctctctc  18120
agcaggacat gggatcccat tgtctgggaa cacagcaaag tttcacagcc gctgccacaa  18180
gtgacacttg ctaggccttt aaaggctata agaatacaag tcccgccctc tgagggatgc  18240
catgtgtaga tggtttagga aagagcacag ctctgaaata aatacatcat cacctgcaga  18300
acacattttg gtttaatgga cagacataga agtggctcaa aaataagcaa attcatttgt  18360
aataatacca gcaaatacct attgttaagc atttatatgt cagacatccc aaagatttgt  18420
gtacatattt agtctttata atagctttgg gaggaaagaa ccaatatcat actctacaaa  18480
ggaagaagca gaaccaggat tcaaatctat ttggcaccaa aaatctgcct cttgctacac  18540
tgcctctatt cctgtttctt tggacctttt ccagaacatg ttacttccct gcctcagtta  18600
gaagttagtg actacgaatc ccctgctgac ttggcctcaa ggccagtatt gcaccgcaag  18660
gaccaagact gctgggcatt cctcttttgc ctgttgtatg cgtcctctct tcctgtcaac  18720
tgtcattgat ttctcattgc tgtcagtaga tctgaaacaa ccaccaccat catccttcca  18780
accctcatct ggtgcaacga dataaacagg ccatgccctg agcaaagaaa agggaaatgg  18840
tggtatctgt gctgccagcc tgggccaccc actgcagatg cacatgcttg gctcagcaaa  18900
cggataagga ttaaattcat ggactttgtg ttcattcaca attgtttcat tgctcaaggg  18960
attttctat tttatttcat ttggtgacta tctggatgat aaaagttgct gaaagtctga  19020
tggccaacta ggtagacaaa gccttatgtt tttccattgt tctgtatgaa ccaggaggat  19080
cacggctcgt attggttcct gctatgcaca gcttgattaa tgggtaaggt gtactccata  19140
tctacaaacc ttcaggtagt ttacagacat tcttggtgca cccctaacta tgccagatca  19200
ttggctgggc actaaagata caggtggagt aaaaaattaa ttgtcaaaat aactggctaa  19260
tttaaaattt acaattgcct agaagaccat ctttgatgtt aagaaggaac aattaagtaa  19320
atactaggat ggcaaacagg ttccataatt tcattttgtt gagacaacag ttttgctcat  19380
gtcaccaggc tgaagtgcaa tgttgtgatc tctgctcact gcaacctcca cctcccaggt  19440
tcaagcaatt ctgcctcagc ctcctgagta gctgggatta taggcatgca ccaccatgcc  19500
caggtaatct tgtatttta gtacagacgg ggtttcactg tgttggccag gatggtcttg  19560
aactcctgac ttcaggtgat ctgcctgcct tggcctccca aagtgctggg gttataggtg  19620
tgagccacca tgc                                                      19633


<210> 11707
<211> 314
<212> DNA
<213> Homo sapiens

<400> 11707
aaaaaaaaaa ttagctgggc atggtgacgt gcacctgtac tcccagctgc tactcgggag      60
gctaaggtgg gaggatcatt tgaggctggg aggttgaggc tgcagtgaac catgatcatg     120
tcactgcctt ccagcctggg taagagagca agaccctgtc tcaaagaaaa aaagaaaaaa     180
aaaatcaccc tggacaagtg gattggagga acagagccac tatcaactct ccttagtct      240
actacattaa cttcctggtc tcctgggttc caatcaaccc atcctgggcc tagtgtcaga     300
gcactgtcta aaat                                                       314


<210> 11708
<211> 599
<212> DNA
<213> Homo sapiens

<400> 11708
aaatgtccat gctcttacat gtctttccta gatggcagag gcaaatgcaa agcaggaaga      60
caagggaaga taaatgccat tggctttagc cctaaatcat gctgttcact cagcttttc      120
ttgagttgac tccacatgtc tacctgtgac cagtggatca gtgcttcaga tccatgaata     180
tacaatactt caggggttat ccagttttat accccacctt gcacctcggg caggcaatgg     240
ggagccaacc agaccctgac tacacacacc acccctgtg atggatggtg aagagctcaa     300
ggtggccaac agtgggctcc aggtgcctct caggtcattc cacatctatc tcacgacctg     360
agccagtaag gggcatggat aggacctcag acaggacttc tgtgccaacc ccaaagaacc     420
agccaggaca tgcctccggg agaggcgttt gcatttgggt agaacactgc ctgatgattg     480
agaccacctg ggctggaaac aggacagtca cacaaatgcc tggcagggca aggggagcat     540
aggagcctgg catgaaggag aaagggtcat gtacgtggtt gtgagggtcc tccctggca     599
```

<210> 11709
<211> 5900
<212> DNA
<213> Homo sapiens

<400> 11709
```
cgcggcacgg cctagcgagt ggttcttctg cgctactgct gcgcgaatcg gcgaccccag      60
tgcctcgacc actatgccgc gctctttcct cgtcaggaag ccctccgacc ccaatcggaa     120
gcctaactac agcgagctgc aggactctaa tccaggtgcg ttggaggggt tctgggctcc     180
aggaggtttg ggggagacag gcgaaggctg cgtgggggggc acctgaggga ggcggcctgc     240
ctgagccagg atcgagtcac aggatgtttt gtggaccatt gcgggctcgg gagaccgggc     300
aagtgggtcc ccagttccgg ggatctgtct gggtggttgg gggagtgccg tgtagagggc     360
aggggtcttc agcttggggg gcctttgtag ccggcgagag gcggaggagc tccgcaagag     420
gggaaggaga ggaggcctgt gtcaggaggg ccctctggac gctgctgggg agagtccgga     480
gtccagaggg ttgaggggag gggtggggag acgagatgtg tgtgaggagg gggattgggg     540
cagggtggtg gctccggggc tgggatgatg gggttctggc ctcaggctgg agactgggga     600
cttaggagag ggagatcagg aaatgacctc cttcaactgg gggtcctacg tgtgagagac     660
tcagattggg tgacctgggc gaggagggca ggaacctggt ctgtcctgtg gataattttt     720
ttgatctaat tatgtattga gaatcggccc cacccagccc ctggccagcg gtgggctcat     780
gtttgttgat tgagtgaatg atttaattaa cgcctgactc tgcttttcct ccctcagagt     840
ttaccttcca gcagccctac gaccaggccc acctgctggc agccatccca cctccggaga     900
tcctcaaccc caccgcctcg ctgccaatgc tcatctggga ctctgtcctg cgcgccccaag     960
cccagccaat tgcctgggcc tcccttcggc tccaggagag tcccagggtg gcagagctga    1020
cctccctgtc agatgaggac agtgggaaag gctcccagcc ccccagcccca ccctcaccgg    1080
ctccttcgtc cttctcctct acttcagtct cttccttgga ggccgaggcc tatgctgcct    1140
tcccaggctt gggccaagtg cccaagcagc tggcccagct ctctgaggcc aaggatctcc    1200
aggctcgaaa ggccttcaac tgcaaatact gcaacaagga atacctcagc ctgggtgccc    1260
tcaagatgca catccgaagc cacacgctgc cctgcgtctg cggaacctgc gggaaggcct    1320
tctctaggcc ctggctgcta caaggccatg tccggaccca cactggtacg tgcccctcca    1380
ggcgccccca ccgttgctct ctctggcagc ttttgtgaat ctgggcttgc tgttctcatt    1440
cccaaagctg tggacactga ggccccgagt cttctaactt ctagctcaag ttccagggcc    1500
tggctctctg gaaacgtttg gcagaaactt tcttcatcag ctaagcagat gggcaaagca    1560
gacaccttcc caatcccctg cagcctgttt ctcagccaaa tgggtcggag ctggatatgg    1620
gaaaggtgca accaacacct tgctgtgggg gccaggtgtg aaggggccca cccggccaca    1680
ccctctcccg ggtccgcccc ctccctagcc agacaggatg ttgtcagacc ccccgcctgg    1740
ctctgaatcc ttctttgaga actttctcaa aacttaggct gatgtttctc ttctgtgagc    1800
ctcattttct ctatctttca gatgggcatg agaacagctt ttggggtttc tatacaggct    1860
aaatgcagga atgcatatgg gaagcacctg gcaaagtgcc ggtacctgct aaactctcac    1920
aaaaatggtt ccttggcatt tgctctgctt ccttgctgtg tgactttggg caagcaactt    1980
aacctctctg agccttaggg gaaaactatg atagcatatg ttttagagag tggctgtaaa    2040
ggtggctaat cactttatag taatttatta tacccgaacg gttctcaggt cggcttcccc    2100
accccactg aatcctagca cacagaccag gaaacggcat ctttggggca gaaaacacaa    2160
tcacgtcttt tgaaaattta ctaaatgtgt aaaaaacttt ctggacatgg agaaaaggta    2220
gaactttta gaacttgaat ggtggcagcc actgtgcctg gagctgctct ttggagagtg    2280
acagttgagg gagaagattc cacagggttc aagctggcca ggttctgcca tttcctggcc    2340
tggcgcctga cctctgagcg gtgagggtta gtgaggtgtc tgggaggact ggcaattcgc    2400
gggctttatt ggcatcttat tcgactaagg ctacccattt ctcttccttc gtgcaccaat    2460
tgctctgatt ttaacatgta aaggtccaac tgcctggcct cctgggtgcc tgcccagctc    2520
acagggctct attttgggac agttgaaccc ctcagggtgc tgcagtcctg cctgcctctc    2580
tcacctccca tctggacatt attttaatgt aaaggcatgg ctgagacaca gaaatcccct    2640
tgaaatgtat cattgcggtc ctcattgact cccattgtgt gccttaatgg tgggcccagt    2700
gggtggggggc tgggagggggt ggagcaggtg catgggcag cggtgcccag cacctgttcc    2760
agtcacagct gctggcccac tgcatggcag gcccctttaa tccggggata tcgcatgtac    2820
agtgcccccc tcggcgccct ttgtccccgc cggcctggtg ccgatttcac acttgccagg    2880
agtaccatga aggcgtctgg ggggcgaggg atccaaggag tggggggtctg tgcctcctgc    2940
gtgtgcacac agcccccgcc cccagcccat catgtcctag aatgtctcct tccccttttg    3000
tttgggttca ggtctcatca cactttgggc acttactgta caggagggta gtgctcagga    3060
cttcaccaac agccctggga agggaaggga ggtgctgtcc taactctggt cttacaaatg    3120
gactccagcc cctttttccag atctccagag tcagccctta gttcacaagg gtgaacttac    3180
ccttctcatt cacatgaaga cttagaatgc aatcaacaaa cccttcaggc gtggcgtgtg    3240
gaggctgctg agtaatggca gagtggagta gtgctcaggc accctccccc caatcctcta    3300
```

```
tgtcccccac cctttggagt ggcgagtttc catttctgcc ccatgagact gagtccagct    3360
ctcaggcgct ccataagtcc ctattgaatg catgggtccc attggagcca tcctctggac    3420
tctctcctac cctggtagct cagtgtggca ccctaggcac ccaggaggtg atggaatgaa    3480
ttcactctca gctcttaaat tccatccagc gctgggattt cacaggcggg ccctgacctt    3540
gcgggcatat cagactgggc gtgaggggat tggagaattg catgtttttt aaaaagacta    3600
ttcagtatta tggaatagtg tctagcactt agtaggagct cagtagatta aaaaaaaaat    3660
tatagacagg gtcttgcttt atcgcctagg cttgtctcaa actcctggct tcaagcaatc    3720
ctgcctcact cggcctccca gagtgatggg attacaagcg tgagccacca cacccagcct    3780
caatagattt ttgtttaatg ggttactgtt atgacctttt atttggaaaa tgctgcatcc    3840
cccagaaaaa aacaaatcaa cattattggt gtttttggaa ctatatagct ttttggttgg    3900
agcagggatt gttatgaggc atgagtgagg gggcagactc ctctgaggcc tctttaattt    3960
ttaaaacaga cttatttatt ctctaagggc ttgttgagga tttactgggc acccagctcc    4020
atgtgcaaga cttttcccaa cacagccttg gccaggcaga tggtgtgtca gggccacagg    4080
tttccgtagc ctcttgggtg atagaaaggg gcccaggccc tgggctgggg ctcagaaggg    4140
actcaaagga ggcccttgcc cttatgggac tcagcctgat tggagaacag acaaggagat    4200
ttgggattac agcgcaggag gtggggtggt gaggaaagca ggctgctggc cgggccccag    4260
gagtggccta accagcttgg aggtgggggt ggggaagcct cttaaggctg actctggctt    4320
tggccccaa cagagtaaat caaggaatga ctccaggact gatggtaagg acaccagtca    4380
cgtcctccct tgactgaagg cagtaagggc agtaggtgaa atcagaggct ttggggtcct    4440
gccagggaa cctgaacatg ctacttctgg gcctcagttt cactgtctct gaaatgagac    4500
cacagtagga tcaagtgaca gtaggatgaa tcagtaaagg tgttgagtca ttgttgacca    4560
cttcgcacgt ccctgcggga tgtggatgag taccctacct tctgtcactt atcaacccct    4620
atgagtgggg ggtgaatagc cccattttac aggtgggaaa atggaggctc agagaagcca    4680
gacaacttgc tcagagttgc acagtgggaa gcagcagagc tccgtcaggt cccggccttt    4740
ggaccctggc tgtgtgtttg acggaggcct ggctttcctg ggatcatggg attctttcag    4800
ggtttggggt atgcggggag ggattcccat cactgccagc cgttgtccca cggctcactc    4860
ggcctttctg gcgttctctc cccaggcgag aagcccttct cctgtcccca ctgcagccgt    4920
gccttcgctg accgctccaa cctgcgggcc cacctccaga cccactcaga tgtcaagaag    4980
taccagtgcc aggcgtgtgc tcggaccttc tcccgaatgt ccctgctcca caagcaccaa    5040
gagtccggct gctcaggatg tccccgctga ccctcgaggc tccctcttcc tctccatacc    5100
tgcccctgcc tgacagcctt ccccagctcc agcaggaagg accccacatc cttctcactg    5160
ccatggaatt ccctcctgag tgccccactt ctggccacat cagccccaca ggactttgat    5220
gaagaccatt ttctggttct gtgtcctctg cctgggctct ggaagaggcc ttcccatggc    5280
catttctgtg gagggagggc agctggcccc cagccctggg ggattcctga ctggcctgt    5340
ctgcgtgggt ttttgtatcc agagctgttt ggatacagct gctttgagct acaggacaaa    5400
ggctgacaga ctcactggga agctcccacc ccactcaggg gaccccactc ccctcacaca    5460
cacccccca caaggaaccc tcaggccacc ctccacgagg tgtgactaac tatgcaataa    5520
tccaccccca ggtgcagccc cagggcctgc ggaggcggtg gcagactaga gtctgagatg    5580
ccccgagccc aggcagctat ttcagcctcc tgtttggtgg ggtggcacct gtttcccggg    5640
caatttaaca atgtctgaaa agggactgtg agtaatggct gtcacttgtc gggggcccaa    5700
gtggggtgct ctggtctgac cgatgtgtct cccagaacta ttctgggggc ccgacaggtg    5760
ggcctgggag gaagatgttt acatttttaa aggtacactg gtatttatat ttcaaacatt    5820
ttgtatcaag gaaacgtttt gtatagttat atgtacagtt tattgatatt caataaagca    5880
gttaatttat atattaaaaa                                                 5900


<210> 11710
<211> 187
<212> DNA
<213> Homo sapiens

<400> 11710
tagaggagtg ggtattttga aaggtctttg gtaagggagg aggggacagg aattcctgaa      60
gcttagatat ttctgacaca gccttaaatc ttgtccttgg aaacatcata gggctttgga     120
gtcctgggtg tcactgtcag ggaccttatg agactgggtt ttcccgttgg cctgggtgtc     180
ctgtctg                                                               187


<210> 11711
<211> 15230
<212> DNA
```

<213> Homo sapiens

<400> 11711
```
gcaatttgaa ggaatttctt ttttcataaa tttatttact aagaaataac actgaaattt    60
cttctatggg cctggttagc aattttgtaa tatttcttgt gtttgtgagt gactttctct   120
ttaaaaacaa agtcttatct gagtgttttg atttcccagt aactacaaag tttttgtaag   180
acagttttga gttattttcc ctcaaatgca atattgtgtt gcatatattt taacaagtat   240
aaagatgtgg ataaaattga tacctttag aaaataaagg aaaacattgt cttttcttg    300
tgattctgtt taacttctca gcattaagtg aaagataaaa atttgagtga tccttttcaa   360
tattttccac agggaagaga cttccacctt aggatagtgt tgcctgaaga tttacaactg   420
aagaatgcaa ggtgatatgg tgtttagtta taaacgtgca tttttgcatt ttggtgggac   480
aggcagtaca tttggtataa attgattcta gtgactagag ttttgcctaa aatgcttatt   540
agtcatttgc cccaaaagaa acatttctga ttttccaaa ccaatgcagc atttgtaaat    600
atttacctgt tactaaagtg cttttaaaca ttagttctct cattttaaa aaaatattta    660
aagcagtaaa cagccattgt gtacacttca ctaacaaata ctgaacaggt atataaaggg   720
agaacaaaag gattagaaaa cttttttcc aactttgac tgatattatt aatgtgtata     780
ttcattatat gagaagagtc acatcagttc agtcctggct taaattaggt accaacattg   840
agtgctggta gatacaacta gtcaggatat gagactgaaa atttaggtac cacccccaaat  900
ctcaattctg cctctaaata tttctggaga agaatggagg aaaaggaatc cagagatatt   960
tatgagtaga attgagagga ttttgtgacc aacagaagtg tagttaagag ggaaaaagga  1020
atagaggatg cttttcaaat tcccggctca gatctctaag ctagagaaga ggtcacagat  1080
ggaaaagtag aagagagatt gttttaaggc atatttggtg tgaaatacca agaggagcta  1140
tttagtaggt agtaatgtag tggtgtggaa atagagtgtg agacctggag tgcagatgtg  1200
tgtggaagtt acaacagatg aaggatttga gaccttgatt atgaatagac ttttttggtgc  1260
tgtgtctagc ggggtagaag agaaagccag tgacaagacc ttggggcgta ccaacattta  1320
aaggactggt cactaaagag gaacttacaa ggagactaag gattgaccag agaagaggaa  1380
aacttgggca gcagagtctt tcaagccaaa taaagagagg cttaagcaag gcatggttag  1440
caatgctgag gattacaaag agataggtta gatgcaagta agttttgtgt ggtggcagaa  1500
gccatttgtg ttggatgagt gggaggaaag tataaagtat tttgaagaaa aagaggtggt  1560
tagagaatgg tatgcattca agaaggagtt atgatgttct ttaaagatat atatttgagc  1620
aagttaattc attaaggaga aaaaaactag cagaacataa attaaggata ccacaataaa  1680
gggataatta attgaagtca ccaagttggt agcaggggag agaaagcaca ttttgagcag  1740
gggttaccaa tggacatttg aatgaactac tctgccacta agagaggaga tagggatggt  1800
tatggggatt tgaagaccaa gaatggagag agttgtgaca gtttgaaaag gccatgttgg  1860
ggaaaactca gagaggcttc ctacttgtag gtaactaaaa gtaattcctt agaagagtta  1920
cttaatagta tcgggagcac aacagaggtc agccagtaag tggatgaaca ttaacttatc  1980
acttcttata caattaatta gaagtatgta tctttctagc caggcttggt ggtgggtgtc  2040
tgtagtccca gctacttgag aggctgaggc gggagggttt cttgagccta ggagttcagg  2100
ttgcagtcag ctattctact gcactccagc cagcctgagt gacagagcga gatcctgtct  2160
ctaaaaaata aaaaataaaa ataaaatgta tccttttagt tatattaatc gggaatttga  2220
agataaatat gctacacatg cttttttcaaa tacatgtttg atacattata tttgatgata  2280
tattgttatc aaaactgttg gttttattta acctatcttg gaaaagaatc tacttcagtg  2340
gaaactttg cttcggatgt gttaaagtta aaaaacaaga tgtactgttt gcatgtcatt   2400
tactgattgc agttatttat attttgaaat aaaattagta ccaacagttt gaagacaaga  2460
ctttgaacag tatcagtggt aaaaatttta ttaacttgtc caaattatgt ttgtcattct  2520
tttgtatgta catgcatgtt tgtgttagca tacaaataag tttttaattc tgaacaatga  2580
ataaaccatt ttgtctcatt aaaattttag attattatgt agttggcagc tgagaacaat  2640
acttagtgga taccatcgaa tagtacaaca ggtaagtcct ttttaaaagg tttatgtttt  2700
cagtgaagat aagaaattac taaatttatt gttctttaaa gacctgcttt gcacaatgtt  2760
gtaacaaact ggtttaatag ttgttaagtt ttgtaggttt catctctgtg tgtttttaaa  2820
tctcagtgtc ctcaggagat ctccaggcag cctttgtgtt gaaatcgatt ccatctttg   2880
agactttagg ttcttcaaat gcattcaccc ttatccatat ccatcacttc ttcagtgatt  2940
tttcttctga gactgaatgg tggtgatagg gaaaaaaaat cagacccatt tagagctgtg  3000
ggatatctgt ggcaaaaatg ggattttagt cctagattag caacagaaaa gatgtggcag  3060
aaataattta ggatcatgtg tacttgcata atgaggggag ataaattaaa ggctgcttag  3120
tgtgttaata ggcaggatta atttctttat cttaatgtt taggttcctc tacctgaaaa   3180
ttcctttaaa gattagaaaa aaaaatcagt tactgaagca aaataatgac ataatataat  3240
tcttctttta gaaaaatagt ttttagaatt gcctttcttt ttatgcttta tgcatttgtg  3300
tgttttttc ctgatttct atatttctgt gtcttaaagg caggttatta tctatgataa    3360
ctgacaatca cagtaactct cccataaagc attaaagctg caaagaagta taggagataa  3420
actatttgat ttatagaatg aaggttatca tcctggcaat ataattacag aagttttttt  3480
```

10292

```
aaggatatgt tcaaattatt tctgttttct ttccatccct gtctccatcc ctttgactat   3540
ttatattgta cactaaaatt taagaaatgc atctgttgac atattgaaat agcatgggaa   3600
aaaatggttt atgtagtcta atattaagat ctattactct gttttcacc agcaagttat   3660
caagaggatt cctagaaaaa aatcccaatt atttatcttt ccttgccccc caattggtta   3720
ggtagaaccc agtgttaaag tcttctttttt attttacagt cccagtgaat attactattc   3780
ttttcttgta tcatttttaa ttttagtaaa tatgggccag ggagtcaaca gacttttttct   3840
gtaaagaacc agataataag tttttctggc ttagtaagcc ataagatctc tgttgcagct   3900
actcaattct gccgttatag caaccataga caagaggtaa gtgaatgtgt atggctacat   3960
gccaataaaa ctttgtttac aaaaacagta ttgagctgga tttggcctct ggactttagt   4020
ttccagaccc tgtcatttat tgatcatctg taataaacta aggggaaaat gcaatgtaga   4080
agaagggata gtcaaggatt tgctctacac agacccactc aaagctatgt taagatgtga   4140
atcatatgtg ttcatgcatt gttgaaaaca atgtaaaact tgagaatatt tttttctgta   4200
gttattttaa gaatgaagga tttctaggaa atggaatagt aactcttaaa tatttattgt   4260
actttagaga ttatttcctt ttttgccatt ttattataac aggttttact ttaatgaatg   4320
actgtctcca ttttgactaa tatggattag ttgtgagagg acaaaaatca caattatagg   4380
tagttttttaa ggtcaaggga aaaataaaaa aaatgaccat attgttaatt aataattgtt   4440
aatttattgc tgccactaga ttttaaaaat tacatagagt tgcctgattt ttatatttta   4500
tactcctctt cccactcaca tcactcctat acctcttctt tctctttttt tttctcttcc   4560
tcctcctcct cctcttcttt ctcttcttct ttaaaaaaag taatgatgag gttgttagat   4620
ttgctagaca tagtagtgat acagaagggc ggcagggaag tgctgagtag agaaagatgg   4680
gtccctggtg agggctccac ccccgggcct gtgcccactg acctaggtga ggacaggcat   4740
ttcccaagac caccctggcc tgccatacct ccatcttgtg cctataaaaa cccgagaccc   4800
tagcaggcac acacacacac aagtggctgg acgttgagag aaatatatcg gtggaggaac   4860
acacaagtgg ctggacatcg agaggacatc gagagcatgt caagagcaca ccgatagact   4920
tcagcatgcc ggcaggccat tgaccggcag aatgacgtgg agttcgacca gggtggttgg   4980
aggagagcct gggctgctga gcaacccgac gccaggggaa aaccgtctcc cttctgtctc   5040
ccacatctac tgagagctac ttgcacttaa taaaaccttg cactcattct ccaagcccac   5100
atgtgatcca attttttccag tacaccaagg caggaaccac gggatacaga aagttctttg   5160
tccttgcaat aaggcagggg tctaattgag ctgactaaca caagctgcct atggatggct   5220
aaactaaaaa agcaccttgt aacacacacc cactgggctt tcagtagctg taaacattca   5280
cccctagaca ctgctgtggg gttggagctc cacagcctgc ccgtctgtat gctcccctag   5340
aggtttatgc agcggggcac tgaagaagca agccacactc ccatcgcatg ccctgcaagg   5400
gggacaaggg attcagtagt aaacagtgct caagaaacag agtagtgtga ggttttaagt   5460
gacattctaa cacagtttaa tatatctcag caaattagat ttgaggacat taattactgt   5520
ttcaaaatga aattggtagg agtagtaaag ttgatgaccg atacttcatt tcttatagtt   5580
ttcagatgta gatatagcta atcttttttt cacattcact tgggcctaca ttttttttaca   5640
gttttagtgg atagaatatt tattgtgcaa atgaaattaa ttggaaatat tttgatctag   5700
agaatgcagc actctcctga tctaatgagc tttatgatgg agttgaagat gcttttggta   5760
agaattttttt tttttctga cactgttacc atactgcaag tcttgatttc tttttttgtaa   5820
ctcctttaaa aactgacatt attagaattt gtcttcttaa ctctcagtca tttgatgttt   5880
tcttttactg tgtacataaa tatagatgac gcattcttg aactgcatga gggacataac   5940
tgttcgaagg aacctctttg attgtattat aaactaggta ttcttgacac tagtgttggg   6000
caggtggtga agaaataaaa tgtactcctg gcctatcagc agagagttta acatctaaga   6060
agagattagg tagtcctact taaagatata atatgatgta taaataattt tgtgtatagc   6120
tacagatatc tgaaaaactt attaggcttc attttatgta tactgttaca tatgtactgt   6180
ttaatcagtg ttgcataaaa tacttgatta ttcagtttat cctgtagaca ttttattatt   6240
ttcttaaaac ccaagttcat tttattaccc aagtttttcaa cataaacaaa agaagaggga   6300
agattatagt gaatactgct gggcctgacc aaatttttaac attttgccaa tcttatttcc   6360
tcttctactt ttttagaaga aagacaccat agtattttaa aggaaattct ggatattgta   6420
tgtatccctc tgtaaatatg tcagtgtgta tctctttaac agctaagtgc ttttttatctg   6480
tttttaaata tattattata acctcaataa agttaataat ttcttatagc tgctttgttt   6540
gtattagtat gcaaacaagg tcctcacatt atatttagtt gataagtctc ttaagcctta   6600
tataagactt ataaggtact tatgtataac atcatctctc tcctctttac ctcacccttt   6660
ttattcatgc catgtatttg ttgaataaaa caaattaggt gtcctataaa atcttctaca   6720
ttctggattt ggcttgtaag atattcatgg tttatctttt aacatattct actttctttg   6780
taatctggca gttagatcta gaggcttcag cagatttgga ttcatttgtt cttatgagat   6840
tacttggtgc tctgtattta ttatattaca tgaggatcca cgtggtatct gatggttcct   6900
tggttcctgt tttagtaaat ttaagattga tcaataggtt tagatccatt caatataaag   6960
tttcccatca gactgtcacc taatgatttt agcctctaat aacaatcatt gcctgtatct   7020
aatgtttcat taggatttac aaatggtaat tttaaaaatt ccatcatctg catttattag   7080
ttgaaaatct tctgtagaga acttctcatc agttgtttgg ttaatttgag gtacagctta   7140
```

10293

```
tactggagag actggataag tgcttgtttc ttttcctttt aaaacagaaa ccaattttta   7200
gaataatgag ttggtgccta gcaactgtca cagggatcta aagtgttttt ttttttaaag   7260
tatctttatg aactcataga tttttatata tttaattaat ttttttattg tagtcatttt   7320
cttttgatg cttaaattgt cccatttttt tggtcagcac aagtcccttc atattggctc    7380
tttatttaat ataacccaag cttgtttgcc ttctgatacc agttgcccca ggttcattta   7440
ttcattttat tccgtaactg taatcagcca tttctccaaa gaatcatgat ttctttgtgg   7500
gaaatagtat ttggatgcct caatctggaa acttgagtgt gcattgctgt tacttgtagg   7560
tttttttcagt ggacaaaact gagaaaaaat acttttttgga aagaatataa ttatgagttt  7620
gtattgatat ttacaattca aattggcatt atagaatttt tacttgtttg cttgtatcac    7680
ttttactctg aaaatgctgt tttctaatgt taacatcatt gtagtatggt tttttgttat   7740
gttctacttg ttatatttca cttatgcttt tcctgtctat gtgttgttag tttatataaa   7800
aattacaata ctaatattgc taacaatgga aagttttgat atttctttgt gatccttgtt   7860
gagaccattt tattcctagc agcagctact acatattgat aacttagttg ctaggttgtt   7920
ttctggagtc cttttttaat gctaataaga accttctaag gtaggacttt gattaaatgt    7980
gtgagattag aataatagtt taaaattaat ttctaaagtt tgaattttga tttatgagtt   8040
cataaatcct aattaataag ggttatcaaa cttgattaca aattacatca aaggccttaa    8100
tgtaataacc ttaaaaaggt aaagtgaaca agtgaagcat atttggttta catctccttg   8160
acattggaga aaagtttgca acatttattt tatcttttta ttataatttt aataaacaat    8220
acaaatacaa ggagagacta agggaaccag agtaaaagta tagatatcat gtcccattaa    8280
actcttctta tcaaaaataa cttcattaaa ttgtaagtca cagctctctt ggccatgtaa    8340
ttttggagaa acacttatta gtttaaaact aaaataaaat tttgagatct ctgatttaca    8400
atatctatttt agtatatttta ttcaatttct gaataaaaat gaaatcctgt attttagctt  8460
tcttcagaaa ttacggacaa atttggtgat tttattgctc atttaagata gtatacctaa    8520
agatataaga attattagtg ttaggctgta ttgtaagtaa tagggttcct atactataat   8580
caccaataaa tatgttgaga gtgatgctca catgaaatca gtagttattg aacttattca    8640
gaaaatgttg taaatcttcc atggagtttc ctagtaatta ctgcatatag tgggagttca    8700
gtatatattt aacaagtgaa caattaccta tatttaaaat aatcctaagt ggtaggttat    8760
tttatttcta tttttagagct gagccactga agcctaaggc ctcaaaatag gaattgttaa   8820
agtcagtatt taaaacttct gtttgtgaag ccttttccgct atgtacctt gcctctttttc   8880
tgtgaagaat atgttgcttc tctgcttttg ccttttttagc tgttacggtt ctacagtagg   8940
agtaacttac ctgactcaga atagaaggta gagtgtataa atgtcataaa cctaagattg    9000
aaaagtgttt ttactattat ccaggtttat ttttaccttc aattttttgtg aatagcaata   9060
attaatatttt cagaataaaa acaaatcttg aaagaagtac tatactatat taatgcatttt  9120
tatttaataa ctagtagagc acaatcttca tagtattagg ttggtgcaca acctaaatac    9180
gaatttattt tggtggacca tcagtctatt tttaggcaac attagtcatt tatattataa    9240
aaaaggcagc atatactttg tcttctagga gcttaccctc taattaaatc catattgata    9300
ttctcagctg tacggatctg ttttcccagt tgtttttttt ttttcatcat aaagcagatt    9360
cagaacgaaa ttgaagtagt tcccgttaat agtttttggtt ttgaagtgct gttttgtaat   9420
atctgttctt tctaatatga tctcaatttg atagtgtcct atcctggtta aaaaaaattg    9480
atatatactt aaaaaataag attaaacata tacttaaaag aataaaaatt acaacctttt    9540
attaggatta tatttttcag aagtgtttat aattttcaac ttgtccctat ctactttcgt    9600
tatttattgt agctgattta tttaattaat taattattta cttttttgtaa taccgtttga   9660
tacttcagac catatgaaca tctaagtaat ttgtagatag atttattttt actttccaaa    9720
taagctgtct atctaggttg gtaacttcaa aataattggt aattttagct tcagcaattc    9780
tagtgatgtt tatgtgtctt gtaaaaaatt ttagtttttgg ttgggagaac ataaacatttt  9840
taaagccttc atagataggc ctagcaagga acgggactgt aatctagcca gatggatggc    9900
ataatactcc gacttacctg cttgaagaat agtacagagt ataagtcagt gaaaaaaatt    9960
agcatgtgga tatttgttct gataatgagt ttgtttgtta ggatgtggtt cataatggta   10020
tacaaatatg tcagtttagg taatgtactt agagttcagg cctttcttta gaggtacttt   10080
ttaaaaaatg tatatatcaa acatcatatt catgggaata gagccatagt gaagccttga   10140
ggatgaattt aataaaaatt tttttttttat ctccgatagg cataatagtc caggagaata   10200
ttaaaatctc aagttatttt catggcataa aaattgacat tttgcatgac cttcagtgca   10260
gtcctttaac ttttttcttgt ctctttttca tgagcagggg aatgagtcag ccagatttcc   10320
gtaaaaaaac aggcactttt attaggcact aagaagataa tgaaattatg ttttgcaatc   10380
aggtattaac agttcattgt cttgcgttcc acagctaatt caggtttttct tcttttaaac   10440
aggaagttgc cttaaagaat agacaagagc tgtatgcact acctcctcct ccccagttct   10500
actcaagcct tattgaagag ataggaactc ttggttggga taagtatgtc tgtttttaaaa  10560
tatgttttaa atgcctttgt tttatatatt ttaacttaat gtatttctag ttttagcagt   10620
ttatacctga ttttagtcaa agtgtttaat tgtaactaga gtatttgatc cttattgttg   10680
ctgtgaatta aagagaggga tatcatcata aaaaattgcc ttacaaagta aaatgctaaa   10740
tataatttgg aaaaaatgac atttttatgt acacagtaag atgttaccgt aatagatact   10800
```

10294

```
ttcactgaac atacaactgt attctaaatt ttccatgttt gaagagtaat gctgagacac   10860
atgaaagaga ctggaaaaat tgcagtattt ctggaataat tgttattttt ggttaatata   10920
caatttggca tgtctaaatt tacatatata taacattata agtgcttttg taatttgagt   10980
ggtaaatttt agcaactagg gtttgtaaga atcatccagc tttctttgaa aaaaatgatt   11040
tttttttttaa aactgatgca taaagaaact taagttcagt aaacgtgtat gcaagttgtt   11100
aaaacttaat ccacatacca cctggaaaaa gtatgtgatg atttgtttgc tattcagttt   11160
ctgaatttag cttccttctt agtgtggata ctttgaaaca ttacatttat tattaagtgt   11220
attataacct ttctactttg agctaaagca ccagtaaaaa tatgccaatt tttagttctt   11280
atcacttttt tttttttgag accgagtctc gctctgttgc ctaggctgat tgcaagctcc   11340
gcctcccggg ttcacgccat tcccctgcct cagcctcccg agtagctggg actacaggcg   11400
cctgccacca cgaccggcta attttttgta tttttagtag agacggggtt tcaccgtgtt   11460
agccaggatc ggtctcgatc tcctgacctc gtgatccgcc cgcctcagcc tcccaaagtg   11520
ctgggattac aggcgtgagc caccacgccc ggcaattctt atcacttctt aaccgttatc   11580
aatagtattt tagtattcat ttattatttc catttagatt gccctattac taagataaat   11640
cgagggctaa cttaggtaca atgtggaagg aatgtgcaat ttttcaccac taagtttttc   11700
ttaatatgtt ttaaacatct tattattcat ctgttttta gctatttct atgagttggc    11760
cttttgataa ctaacctaaa aagaaccaga aaatcaaatc gccatttaaa agagaacaag   11820
gaacatatct taagtgcaga atatatgtcc tttaatatat tttataccat tacctgataa   11880
ctaaagaaaa actaaataga gacttaaaca tattttagag ttccaaattg ttcccatgta   11940
aatttgtttc tagaggtgat aaaaatgcac tgtgattatt acagaaataa gaattatttt   12000
cgttgccttt gccttctact tcccttata ttccttaaaa ggctttatt tagaacagtt      12060
tctcttctta tgtgtagatc aatttttcc cttttgtttt aaccactaaa atttgactga    12120
gtgggccata cctctttgg tgcacctatg tgcagagata ggttagccat tccttcagtc    12180
atgactttat gtagacttaa ttttttatga atacttcttt accttaccgt tttccttacc   12240
gcctccctga ttaagagtca aagtgtgtac gatctgtact taagagccaa gttatttaaa   12300
tcctggtctt gataaaaatt acagcctcgg atttcaactg ttaaaacctt actaaaatcg   12360
cgattgcatg taatagtgtt tcactgcaga tggactgctt aaagtctctg taatcttatt   12420
ttatatgttt tctcagtttt acccatggat attagaaccg agctacttta ttttgctctc   12480
ttgtataatt gctcttgagg atgccactga cttggattaa aggatgttgt atgaaatagt   12540
cctaagatat gcagtaggga tttttatgttt ggatgtcttc cattgtatga taatagcact   12600
atctttatga gaagccatga aagaagtttt attctgtttc agatgctaga aaagtcatgc   12660
tttgcctgac tatccaacct gccacttaat gaataatgtg aactatgtaa ttgactatgt   12720
tctctttgac ttggcctcta ggaaatttag agtcaaattt ttggcacact ttttagagcc   12780
atgctggata taggatttat atttctgtat gctaatctta cctgactttt gttctcctgt   12840
gattcttctc ttcatatcaa gggtacatgt tatctctgtg actcatcact gttgatcttg   12900
atcttgatta cctggtgagg tagtatttgt cgggtttctg caccgtaaag ttactgtttt   12960
tttctctctc tccacacttt actctttgga agtcactata tgtagctcac acttcaggag   13020
tgggcagtta cgctcacacc tcctttaggg cacagtattt acacagattt ggaatttttc   13080
tgctcagatt ttgttccctc tcatttattt gttttttcag tcatttattt gaaatactat   13140
ggactcatgg atatttattt tatactttgg gttataatca aatactattt tattttcttg   13200
ctcaatttgt tctagctttg gccattgaga gctctttcag ttggctcctg tgtccttttg   13260
acaggcctca tcattgtgga tatatatata tatatatata tatatatata tatttttttt   13320
tttttttttt ttttttttttt ttttagcatg tatttacttt ctggcactga aagaaattt   13380
gtatatttcc tgcccttttcc tagaatcagc cattttccca aggagtcctg gttgctttta   13440
tttgtgagtg gtattagaaa ctaggatgtg ggcactatgg gtgcttgttg ctattggtgt   13500
gttgttgttt ctaggccttc ttagctgaaa aatggaaaac aaatgtgttt atactaactc   13560
gtgtacatac ttgtaaatgt ttttgtatat aaccatttat atctgtatta aggtaaacat   13620
gattttatac tgatgtctac aactccagtc cattaccata tgtagttttg tagcccactt   13680
gcttggtata tctgaaatct catactccaa cagggagaaa ccgagctccc attatctgtt   13740
atccatttac ttaattgttc agttgcagta tacgtgcaga gcactatcag aattattaat   13800
ctgtacctcc atgggtgaca actttatcaa ctatacaatg cttattttta tagtttttt     13860
tttttgcct ttataggctt cactcatttt cagttactta ggttagaacc atttcctcca    13920
cccacttcaa tgtacttctt tcccatattt gtaacacaga ttgtttgtc acattctctg     13980
tttcatccta cgttcatttt aaaaaatgat tttaggatct atagtgatgc tgcctttttc   14040
tttccacatg agttttttgt gccttttaa ttttcttaa tcagttttgc aagagccata     14100
tcaattattt aagttttttc aaagacccaa cttttagcgt tgttaatttt ctctgttgta   14160
tatttttta tcattaatat ctgcttatta agaatttaat ttttttagat ttgcttcctt     14220
tgtaatttgt tgagatggat atgtaggtca ttgatttttt tccagtttat cttactttat   14280
tatatattaa tttaaggctg taaatttgta agcaatttta gcttgatccc gtaagttttg   14340
atgttatatt tctattacta tcagttaaaa atattaattt tcattgtgat ttctttgac    14400
ttatttagta tatctcttaa ttttcaaaca actggagatt tttgggttat tgagttccag   14460
```

10295

```
tttaagtcta cttttgtcag aaatcatcct tttaattatc tcaatacttt gaagtttact  14520
gaggcttgct ttatgaccca gcaccttgtc aattttggta tgtgttctat ttccacttaa  14580
gaagagtatg taatctcttg ttgggtacag tgctttgctt ttattcattc ctcacattta  14640
ttaattatgt gtgtcagata tccaatatgt ttaatgattt attttttttt tttgtccgct  14700
tgtcctgaga gctctggaga gagctgtgtt aaattctccc aatatgattg tgaattttg   14760
gaattgtttt tgttcctcaa aattttgctt tatgtctatt tgcagtcatg ttattgggta  14820
catacagatt tataattgct atatcttcct tgttggtttt cccttttgtt attaggacat  14880
gtttctttc atctctagaa atattcttgt cttaatgtct actttgttat aactacacaa   14940
gctaattagt tacatatttt aaaaactgct ctttaccatt tgcattttt taaaacagat   15000
tttaatgctg tattgaaatt cttcctcttt ttctctattt tctttcatag ttttaaaata  15060
tttttcttgc tggcagccac cagaaactgg aagaggcaag gaatagattc tctcctagag  15120
cctccagagg gagcacatct ttgctgacac cttgatttt gcccagtgaa cagatgtgga   15180
acccctggcc tccagaacta tgagagaata aattcctctt gttttagcca              15230


<210> 11712
<211> 499
<212> DNA
<213> Homo sapiens


<400> 11712
ttttatcagc ctactttagt tgttcactgt agaagtgttg gtctttagca agctattcca   60
tttaggccag aaatagatgt tacatataat tgtaagtgta ctatattatg atattgagga  120
ctggttgata tttattcatg agattaggct ttatttatta agacattagt cttgagtagg  180
atttgggatg gttggagcct tttaaataaa attaagcata acaatggtga ggagagacag  240
ggaagacaag caaaaagttg agatgcccta gcagcagttc ctgctgaggt tatgattagt  300
tttgaggcat tgatgtcatg gacctagtca ttctttaggt atagattgat ggaataaaga  360
aatattattt tgacttatct tcagatgctt aatgttaata tttgttttt agagcatagt   420
tggaaatgta gaaagggttt gtcaaggaca gaggaaatgt tctagtttta tttctgttgt  480
attgagatgg tgagtttga                                                499


<210> 11713
<211> 2600
<212> DNA
<213> Homo sapiens


<400> 11713
ctttctattt catggagcat gtggcagctg agtgttcgac ttggaattac ttctggcaac   60
aagtcctgga tcctgcctgg caccttctgt ttgatgggtg caacctgacc agagagagct  120
ggaaggccct ggagcgggcc agcttctcta agctgaagct gcagcacatc caggccccac  180
tgtcctggga gttggtgcgc cctcatatct atggatatgc tgtgaaatag tgtgagctgg  240
cagttaagag ctgaatggct caaagaattt aaagcttcag ttttacattt aaaatgctaa  300
gtgggagaag agaaaccttt tttttggggg gcggtttttt tggtttgttg ttggtttttt  360
tttttttttt ggcgggaaga aagagttttg ctcttgttgc ccaggctgga gtgcaatgac  420
gtgatctccg ctcactgcaa cctccacctc gcgggtttaa gcgattcttc tgcctcagcc  480
tccctagtag ctgggattac aggtgcccac caccatgccc agctaatttg tatttttagt  540
tgagacaggg tttcactacg ttggccaggc tggtcttgaa ctcctgatct caggcaatcc  600
acccacctca gcctcccaaa gtgctgggat gacaggcgtg agcaaccgca cccagcttaa  660
ggttttttg ttttgttttg agacggagtt ttcgctcttg ttgcccaggc tggagtgcaa  720
tgctgtgatc tcagcttacc acaacctcca cctcccgggt tcaagtgatt cacctgcctc  780
agcctcctga gtagctggta ttacaggcat gcgtcaccac gccggctaat tttgtacttt  840
tagtagagat ggtgtttccc cacgttggtc agtctggtct caaattcctg acctcaggtg  900
atctgcctgc ctcggcctcc caaagtgctg tgattacaga cgtcagccac catgcctggc  960
ctgaaacctt ttttaggtaa agttgaattc catccttaaa agtttctgtt atatcctatt  1020
tagccatttt ctattgtctc ccaaagaatt cacatcaaaa aaacagcttt gaactccccc  1080
ttcaaaggaa acagtcgact ttcataatta gcatctacca ttatccccaa atcttatttt  1140
attcattgac ttgaaatttt ttccaattgc tttttttttt tttttttaa ggttaagagc   1200
agaggtttac taggccaaag aaagagaata gctctctgtt gcagagaggg gtcctggaga  1260
aatgggttac cccagttgtc ttatttaaat ggttacccat cagatttttaa ttttatcttc  1320
tctttgagag cttggtaata agaagcactt aaatcactcc aaagaagact ttaaaaaggg  1380
```

10296

```
agcagtgaaa aggtcttaat aatttattga ttgaattaag aaatactagc taattaagaa    1440
tctgagtcta aacagcacag attttttctt tctgctttta aattgtgttt taaaaaaaga    1500
gacagggggc tgggcgtggt ggctcacgcc tgtaatccta gcactttggg aggccgaggc    1560
gggtggatca cgaggtagga gttaaagacc agcctggcca acatggcaaa accctactaa    1620
agatacaaaa aaaaaaaaaa attagccagg cgtggtggtg ggtgcctgta atcccaggta    1680
cttggaaggc tgaggcagga gaatctcttg aacccagaag gcgaaggttg cagtgaaccg    1740
agatcatgcc attgtactct agcctgggtg acaagagcaa gactccgtct caaaaaaaaa    1800
aaaaaaaaaa aaagaagta gagacaggga gacaggtct cactgtgttg cctaggccgg    1860
tcttgaactc ctgggctcaa gtgattctcc caccttgacc tcctaaattg ttgggattac    1920
aggtgtgaga cagtgcacct ggccgaaata gctcaagttt ctgaaaaaca aatctgaatc    1980
tatttgttat tcttagcgtc actggtctgg ctttcagaat taacatacaa ggttgccaca    2040
cctagttctg cccagcttta tgtctttat tccagtattc caccaaagtt tgtttttcctg    2100
cattccagtt ctcaagtctt aagataaaga ttgtacttga cagtttagta tatccataaa    2160
actatttgag gtggttaagg ttcttgggtt cattttcctt aatactttgc tgaatattgt    2220
agattgtagg caatgaaaaa gtctactaaa ttaggaaaac cttgaataat taggtatcct    2280
aggtaagagc ccctaaacat caagcaatct gtgagtctgt aaagaaataa atatttttg    2340
gattattctt atctaattcc acccctgttg gaagatgatt tctttgttct ttgcaactat    2400
ggaagctgtg aaaatcatca caagtgcctc tgaaagcgag tgttaggttg gttagagggt    2460
ttaatatttt ctgcaatggt ttgtaggaat tttaataaat gtagtatatt ttctgagatg    2520
attttgtaaa agtactattt taaatatcaa atcaaccaat aaattcacat ttgtgttagg    2580
aacagaaata tggtttatat                                                2600


<210> 11714
<211> 518
<212> DNA
<213> Homo sapiens

<400> 11714
actatctctt gaacgtgaaa agttattgat gcagtgaggt cgaatgcaca cctactgctt      60
cctaagctct ggaacatgaa tctccttcct ctgtcatctc cccagaattg gaacctcctt     120
aatccaacca tctcactatt ggtcagtcta gtgattgaga aataggaaaa gccacaggtt     180
gaaatgatga aatgtcatta cactgaaaga taataccaaa gtacaaagtc ctaggcacag     240
tcttgtcaat tccctcttgt ctaagtggtg tggcaaatat tattgtcact tttcagagaa     300
aactgaggtg tagagaaata aataaatgaa gttttttaca gtcattccac aagttactga     360
gcaagtctta gaagccctga ctccccaaac cacaaaatct cctttgataa tcattgctgc     420
cataacacct tcttttactg ctttcctcct tgaatccaga gaacacatat ttataatcat     480
tttaagagcc tgaggaaatg acttcagcct gtgcaaaa                             518


<210> 11715
<211> 628
<212> DNA
<213> Homo sapiens

<400> 11715
ccttcgcaac tgaaaagctg atggagctgg attccctgtt tgtaaaggca tgaattcctg      60
gtggctccac cccattcccc cagcgtgcat gtggggcctt agtgggctgc aggcatgttt     120
aggcaagccc ctgtgcaagt tcccttatct gcacaaaaca tctcatgtaa ccatttgtgg     180
gactggtcag aagttcttcc gggacccttc cctactgtct gcctaaagca agctggctaa     240
ctcctttcat tggttcattt cacttatata cactccccag caatctcata tacctccaca     300
gttctcaaat accacatata tacagatgtt tccaaatcta aacatctatc ccaggtctct     360
cttctgaccc caaaccttca tatccagccg tctactcaac agtctcctgg attgctcaga     420
ggcacctctt aacatatgta aaccagaggg caacactgac ctccccaaac ctgcctctcc     480
tcctttatgc tgccctatcc tatgaagatt ttttttaaaa tcagggccgg gcacggtagc     540
tcacgcctgt aatcccagca ctttgggagg cctagacagg aggatcactt gagctcagga     600
gttcgagacc agcctgggca atgcggcg                                        628


<210> 11716
<211> 2204
```

<212> DNA
<213> Homo sapiens

<400> 11716
```
atcaggcctc caagaaccat gtccccttca gagaggattc ctaagcttcc tcctcttcct        60
cctcttctta ctgcaaggga aatacaagat cagtctggaa tgggcttcca gattcataca       120
acctccccca ggacacagat tctgggagag agaagaggaa ggcaggtttg gagcctccac       180
caccaccagt ttccctcacg ccctcctctc tcccttcccc tctttctcaa cttcctcctt       240
tccctctctt ccttctatga tctgtccctg cccctctgtc tcctcttcct ttccttcctt       300
cctccctttt ctcctccctt ccttagcagg cagcaatgag caggtggcac tgaacttaga       360
ttccaccatc acaggtgggt agatcttggc tcacaagcct gtcattgact agctaagtag       420
ccctgattgg aggagtcatt ttatttccct gagcctttgt ttctcatctg caacatggag       480
attttactca ccaccgtggt gcagacaaag taggacaaag tatcctttaa cccagggctt       540
gacacgtgac actcatcaaa cattgctgag ctctaatctg catcaggata tggtaagtgt       600
ctactgggtg ctgggacaaa aggtacagat gggagcaagg cagagatccc taaacagacc       660
tctgttgtga tctttgttgt aatacatggt aattatttgt ttccaaaaag aggtggaagg       720
agacatagat agcttctacc gccaggcatt caggcaccag ctgtgaaggc cttctgcaca       780
ttgaaaaact cagagtagcc tggtggctgg aatgaaaagt caacaccagt tcccccagca       840
aaatatttct ccattcagcc ttttcggctc attggtttgc ctgaaatcag ttgtttctcc       900
ctggggaagc aatctttaaa atggtgagga gagtgtgcat ctgatgtgcc tgcacttgtg       960
cctgtgaaac agggtaggct cagagctccg tgcaggccca tgaagtcccc tcagagacac      1020
cagtgttggg ttgtcatagg gtcccagaaa atgcctgtct gcttcgtgag atttaggctg      1080
ggtgcacaga ggtttcactt ggtgtgcctg acttatttag gggctgcctg aagtgccatg      1140
tgagaaagga ggctgagggc gttgggtttg gaggaagaga gcactagggt ggattagcag      1200
tatctgctgc aagtggaatt tggaggggat agaaatcgtg cgttcagctt atttggcatc      1260
tctgggttgg cctcactttg gcagttggtt cctgctggct gggctctgct cacacgcagt      1320
gagaggtctc tcagaggctc tttgttctgc tgctggggat gccttgggaa tgatgccctg      1380
gggtgcactg ccacatccca cacaaaaggt ctccttagct ggagagcctt accaggtgca      1440
tggaggggaa gacgcggtac cataaagatg aggattcctc tcaaagtaat atatgcattg      1500
aatgaaatgc ctacttcagt aaggaatttc ccaaagcttt acaagctaat tctaaaattc      1560
acatggaaga gaggccagag aatagcttaa attactttga acaaggaggg gagacttagc      1620
tgccagctat taaaatccat tattaaggca ctgatgttaa agaatcacca cacaaataga      1680
caaacagaca ttggagcaga agacagggaa cagaaagacg ctcatatgta tctggataac      1740
attgacagga aaatcaaatt gtaatgtcac atacaggagt cttcatgaag gtaagatgtt      1800
taaaaacatt tttaaaagta taaaacattg tttagaaata tacgcctttg tagtaaatgt      1860
gtaaaaacac gcattagaat gatgaacacc aaattccaga gaaagggaat ggatccctgt      1920
ggggcacaga gtgtgcatta actatgttta tgtctttaaa ggaagaaaat atttgaagca      1980
gatatggcaa acggagaaga ttcatgaaag ctggatggcc ggcgcatgag cgtttgcggt      2040
gtcatacttt gtttccttat gtttgaaata ttagcatggc tgggcatggt ggctcacgcc      2100
tgtgatccta gcattttggg aggctgaagc tgggggaaca cttgaggtca ggagttcaag      2160
actagcctgg gcaacatagt gagacctcat ctccaaaaaa aaaa                       2204
```


<210> 11717
<211> 2204
<212> DNA
<213> Homo sapiens

<400> 11717
```
atcaggcctc caagaaccat gtccccttca gagaggattc ctaagcttcc tcctcttcct        60
cctcttctta ctgcaaggga aatacaagat cagtctggaa tgggcttcca gattcataca       120
acctccccca ggacacagat tctgggagag agaagaggaa ggcaggtttg gagcctccac       180
caccaccagt ttccctcacg ccctcctctc tcccttcccc tctttctcaa cttcctcctt       240
tccctctctt ccttctatga tctgtccctg cccctctgtc tcctcttcct ttccttcctt       300
cctccctttt ctcctccctt ccttagcagg cagcaatgag caggtggcac tgaacttaga       360
ttccaccatc acaggtgggt agatcttggc tcacaagcct gtcattgact agctaagtag       420
ccctgattgg aggagtcatt ttatttccct gagcctttgt ttctcatctg caacatggag       480
attttactca ccaccgtggt gcagacaaag taggacaaag tatcctttaa cccagggctt       540
gacacgtgac actcatcaaa cattgctgag ctctaatctg catcaggata tggtaagtgt       600
ctactgggtg ctgggacaaa aggtacagat gggagcaagg cagagatccc taaacagacc       660
tctgttgtga tctttgttgt aatacatggt aattatttgt ttccaaaaag aggtggaagg       720
```

```
agacatagat agcttctacc gccaggcatt caggcaccag ctgtgaaggc cttctgcaca      780
ttgaaaaact cagagtagcc tggtggctgg aatgaaaagt caacaccagt tcccccagca      840
aaatatttct ccattcagcc ttttcggctc attggtttgc ctgaaatcag ttgtttctcc      900
ctggggaagc aatctttaaa atggtgagga gagtgtgcat ctgatgtgcc tgcacttgtg      960
cctgtgaaac agggtaggct cagagctccg tgcaggccca tgaagtcccc tcagagacac     1020
cagtgttggg ttgtcatagg gtcccagaaa atgcctgtct gcttcgtgag atttaggctg     1080
ggtgcacaga ggtttcactt ggtgtgcctg acttatttag gggctgcctg aagtgccatg     1140
tgagaaagga ggctgagggc gttgggtttg gaggaagaga gcactagggt ggattagcag     1200
tatctgctgc aagtggaatt tggaggggat agaaatcgtg cgttcagctt atttggcatc     1260
tctgggttgg cctcactttg gcagttggtt cctgctggct gggctctgct cacacgcagt     1320
gagaggtctc tcagaggctc tttgttctgc tgctggggat gccttgggaa tgatgccctg     1380
gggtgcactg ccacatccca cacaaaaggt ctccttagct ggagagcctt accaggtgca     1440
tggaggggaa gacgcggtac cataaagatg aggattcctc tcaaagtaat atatgcattg     1500
aatgaaatgc ctacttcagt aaggaatttc ccaaagcttt acaagctaat tctaaaattc     1560
acatggaaga gaggccagag aatagcttaa attactttga acaaggaggg gagacttagc     1620
tgccagctat taaaatccat tattaaggca ctgatgttaa agaatcacca cacaaataga     1680
caaacagaca ttggagcaga agacagggaa cagaaagacg ctcatatgta tctggataac     1740
attgacagga aaatcaaatt gtaatgtcac atacaggagt cttcatgaag gtaagatgtt     1800
taaaaacatt tttaaaagta taaaacattg tttagaaata tacgcctttg tagtaaatgt     1860
gtaaaaacac gcattagaat gatgaacacc aaattccaga gaaagggaat ggatccctgt     1920
ggggcacaga gtgtgcatta actatgttta tgtctttaaa ggaagaaaat atttgaagca     1980
gatatggcaa acggagaaga ttcatgaaag ctggatggcc ggcgcatgag cgtttgcggt     2040 ·
gtcatacttt gtttccttat gtttgaaata ttagcatggc tgggcatggt ggctcacgcc     2100
tgtgatccta gcattttggg aggctgaagc tggggggaaca cttgaggtca ggagttcaag     2160
actagcctgg gcaacatagt gagacctcat ctccaaaaaa aaaa                       2204
```

<210> 11718
<211> 2146
<212> DNA
<213> Homo sapiens

<400> 11718
```
gctcaaacgg ggatgtgctt gcaaaggcta gagacagcac gggaggaagg agcagtccat       60
tctgctgaga gtgtgagtac cgagaaagca tggcactggg cttgaaggat gaggagttcg      120
ccagacacag aggatgagga gagcagcacg tgagtaaaga aaacagagaa aggaactctc      180
tgtcatgttg tgggctggag ggcagcattc acactggaca agtgcttcag aaagatcctt      240
ctggcaggta gtgggcagaa aaatgagtga agtcagagcg atcgactagg aatccactga      300
aagtggattt aaatgagagg tgatgaaaaa ctcagctaca gctgggcgag gtggctcaca      360
cctgtgatcc cagcattttg ggaggccgag gtgggcggat cacaaggtca ggagtttagg      420
accagcctgg ccaacatggt gaaaccctgt ctctactaaa acaaacaaac aaacaaaact      480
ctctctatat atatgtataa tatattaata tattatagat ctataatata ttaatagaat      540
gtattataga tatatattaa tataatgtat tatatatata aatataatat attatatata      600
atattatttt atatatatat atacacacac aaaaattagc caggtgtgat ggcaggcacc      660
tgcagtccca gctactcggg agggtgaggc aggagaatcg cttaaactca ggagacagag      720
gttgcagtga gctgaggtca caccactgca ctccagcctg ggcgaaagag caaaactctg      780
tctcaaaaaa ataaatgaat aagaaaaaaa gaaagaaaa agaaaaactc agctacaaca      840
gagtgactgg ttataatttc cctgcaaaac tgctaattct ctgatggagg acaagcgct      900
gaatcaggtt ttgtttatct ctgcagagta cctacattgt tccctcttat gataggagct      960
caaacacatg ttgatgaaag ggagggagga aggaagcagg caggcccgca ggcccatgcc     1020
cttcttttac agataaggag acagagctgg gacgggtgga ggagtgttca aggacattct     1080
tggctagaaa cttactatct aaaatagtaa agagacctct aaccattctg ctgacaaact     1140
tataagcaca ataagctttg aataacaaac actccgcagg taaagttcca tgacaacgat     1200
tcttgttata aagttgtggt cttcatagag aagtgctttc ctctctcagg caggaaaaga     1260
gttcctttaa aatagatcga aatgctctgt gatgaataat acgaagcagt aaggccttca     1320
cctggcctgg gtccaaataa caggttctat tcaggtggct ctgaaagcac ctgattgtgt     1380
gctgtcgcca ctgtgggcag ggcaagtcca gcagaacttt acaagtcttt tgttctgcca     1440
gcaagcagta attggttctc caccccagtg tagtaaactt ccagccacct gaatgaaatt     1500
cacctaattt aacaaactgc acgagaagca aagcaactcc cggagcatac acaggtgtga     1560
atattgtgca tctgtcttct ctgtgattcc tcttgtcttg aggcttccac acccctctgg     1620
tccttggttc gtcctgtccc ctcttctcca gacccatctt cccatctact gcagacctgg     1680
```

```
ctctattggg tattgaatct gcttctctcc acacctcagt ttcccccttt caccctagctc   1740
ttccttttag cttctaaaca tgctcaaggc ttgcagccta aaaatgaaaa tactacaaac   1800
tactctttat tctgcttctt cccccactgt gtgccccttc cagtcataag cgattctgca   1860
aggaaccatc tatactcagt ctctaccatc tcatttcttg ctacatagca aacaacgttc   1920
taagaatttt acatatattg acttatggaa gcctgacaac atcactgtga tgtaagtgct   1980
attgttattt acattttatg gatgaggaca aggaggcact gaacagcaaa gtatttgccc   2040
tggatcacca ggatttgggc aaaggtatgc tctgagacct ttttccccgc cttatgccca   2100
ttacaaggta ccttgaatga aaaaatacac aagaacattg catgga                 2146
```


<210> 11719
<211> 2146
<212> DNA
<213> Homo sapiens

<400> 11719
```
gctcaaacgg ggatgtgctt gcaaaggcta gagacagcac gggaggaagg agcagtccat     60
tctgctgaga gtgtgagtac cgagaaagca tggcactggg cttgaaggat gaggagttcg    120
ccagacacag aggatgagga gagcagcacg tgagtaaaga aaacagagaa aggaactctc    180
tgtcatgttg tgggctggag ggcagcattc acactggaca agtgcttcag aaagatcctt    240
ctggcaggta gtgggcagaa aaatgagtga agtcagagcg atcgactagg aatccactga    300
aagtggattt aaatgagagg tgatgaaaaa ctcagctaca gctgggcgag gtggctcaca    360
cctgtgatcc cagcattttg ggaggccgag gtgggcggat cacaaggtca ggagtttagg    420
accagcctgg ccaacatggt gaaaccctgt ctctactaaa acaaacaaac aaacaaaact    480
ctctctatat atatgtataa tatattaata tattatagat ctataatata ttaatagaat    540
gtattataga tatatattaa tataatgtat tatatatata aatataatat attatatata    600
atattatttt atatatatat atacacacac aaaaattagc caggtgtgat ggcaggcacc    660
tgcagtccca gctactcggg agggtgaggc aggagaatcg cttaaactca ggagacagag    720
gttgcagtga gctgaggtca caccactgca ctccagcctg ggcgaaagag caaaactctg    780
tctcaaaaaa ataaatgaat aagaaaaaaa gaaagaaaa agaaaaactc agctacaaca    840
gagtgactgg ttataatttc cctgcaaaac tgctaattct ctgatggagg acaagcgct    900
gaatcaggtt ttgtttatct ctgcagagta cctacattgt tccctcttat gataggagct    960
caaacacatg ttgatgaaag ggagggagga aggaagcagg caggcccgca ggcccatgcc   1020
cttcttttac agataaggag acagagctgg gacgggtgga ggagtgttca aggacattct   1080
tggctagaaa cttactatct aaaatagtaa agagacctct aaccattctg ctgacaaact   1140
tataagcaca ataagctttg aataacaaac actccgcagg taaagttcca tgacaacgat   1200
tcttgttata aagttgtggt cttcatagag aagtgctttc ctctctcagg caggaaaaga   1260
gttcctttaa aatagatcga aatgctctgt gatgaataat acgaagcagt aaggccttca   1320
cctggcctgg gtccaaataa caggttctat tcaggtggct ctgaaagcac ctgattgtgt   1380
gctgtcgcca ctgtgggcag ggcaagtcca gcagaacttt acaagtcttt tgttctgcca   1440
gcaagcagta attggttctc caccccagtg tagtaaactt ccagccacct gaatgaaatt   1500
cacctaattt aacaaactgc acgagaagca aagcaactcc cggagcatac acaggtgtga   1560
atattgtgca tctgtcttct ctgtgattcc tcttgtcttg aggcttccac acccctctgg   1620
tccttggttc gtcctgtccc ctcttctcca gacccatctt cccatctact gcagacctgg   1680
ctctattggg tattgaatct gcttctctcc acacctcagt ttcccccttt caccctagctc   1740
ttccttttag cttctaaaca tgctcaaggc ttgcagccta aaaatgaaaa tactacaaac   1800
tactctttat tctgcttctt cccccactgt gtgccccttc cagtcataag cgattctgca   1860
aggaaccatc tatactcagt ctctaccatc tcatttcttg ctacatagca aacaacgttc   1920
taagaatttt acatatattg acttatggaa gcctgacaac atcactgtga tgtaagtgct   1980
attgttattt acattttatg gatgaggaca aggaggcact gaacagcaaa gtatttgccc   2040
tggatcacca ggatttgggc aaaggtatgc tctgagacct ttttccccgc cttatgccca   2100
ttacaaggta ccttgaatga aaaaatacac aagaacattg catgga                 2146
```


<210> 11720
<211> 1811
<212> DNA
<213> Homo sapiens

<400> 11720
```
aacctagaaa acatccagtg gattacagaa tttcttcccc atattcactc ctcactttta     60
```

```
          caattttccc acaatcctct acttcagtgg gatgctgtgt ctagtgatta aacaaaaata    120
          tagagctgtg caatttgatt ttggcttcca caacgaatat ctgaatccat tccaaatgaa    180
          attttagata taacaaagac ttgtcctaat catactgaaa tattggtgca cacctctctg    240
          cattagattt cactttttta aaaaacccag tggacattgc tataaataag atttatttgg    300
          ctacaaataa cctgggatgt tgcttattat gattgatgcc tgctggtttg ttcccaagct    360
          gagtgaaatt gaacctcgtc ctccctactc attttgatga ctgaggctgg tttataagaa    420
          aaggaagttt ggagaagaaa accgagatta gaaaatatca tgttttggtt ggagataaga    480
          accagggatg gcaagtacca gtgtgtacaa atgtatttca cggagtttga aggaacgcat    540
          aatcaagagg gaaaacaatt tgtccttcat tggacgtatt atttggattt gggtgagcaa    600
          caaaatggaa tgtggtctgt taggagcatt ctgtttgttc ttttgtccct gatgtgatga    660
          atcattgcca catgctagat ggactcttca tatccaggtt ttgtccctca gggctgagca    720
          ctgtattaaa gagtttttgt tgagtcattt aaccttagtg tccacatcca gatcagctgt    780
          aaaatgggga agacgtgtgc tgatttggaa tgaatgcaaa atatcactat cattttccta    840
          attacagagg agcaaaggtt atcttcagcc ctttcagttc tatgctcaca tattcaaata    900
          tcaaatgtaa tttagctgaa gttatttaat aatcaagtct ttcaatatct gttcaaagaa    960
          aaagaacaca ctttgaaaat tctgcaaagc tgtctcccag tctttaaaat gtctggaagc   1020
          actctccttc tttacaatac caacatcact ggcccagaat cttccctgtg ctagtttgta   1080
          aatataaata aattacttgt tttgtaaact tttgtaaaga atattttggt agaaatactt   1140
          caaacatatt ctttgggtta tatttataca tatgtgaaat aaatatacta tcaaaaggtt   1200
          atattttata caaaaagtaa attgctacct tttgtatgct aatatgcaaa gttttgtata   1260
          atatgatggt ttatttttag ctctacactt aaaccatagg tggttgagtg ggaacttttg   1320
          aaaactatca agaggcttgt tagacaaatt tatattctga aacctcaata agaaagcatt   1380
          ccaggtttca atccttgttt tttgtcctgc tcccaaattc ttttttaaac ccatagttct   1440
          tgtgtcttat ttgattcttc tgctgtgcac attgtattgg tccttgttgc atgtagtcta   1500
          ctgtgtgttt tccgatttta taaggcagca tttctccata caaaaagaaa aaaaatgatg   1560
          tacatataaa cgcttttgtt gtatggctcc tccatgttac tgtatatatc tgccagcact   1620
          tcccagttac actcctgtga gtcagcttat tttttaccctata acataaatag tatgttttgt   1680
          agtagttatc aaatttaaga gataaagcaa tcagaatgtt tggatttttct tctatcttaa   1740
          tgtgaatttc ataattaatg tctatttatt cagctattca ttaaaataca ggattctttg   1800
          ggaaaacatg a                                                         1811


<210> 11721
<211> 1811
<212> DNA
<213> Homo sapiens

<400> 11721
          aacctagaaa acatccagtg gattacagaa tttcttcccc atattcactc ctcactttta     60
          caattttccc acaatcctct acttcagtgg gatgctgtgt ctagtgatta aacaaaaata    120
          tagagctgtg caatttgatt ttggcttcca caacgaatat ctgaatccat tccaaatgaa    180
          attttagata taacaaagac ttgtcctaat catactgaaa tattggtgca cacctctctg    240
          cattagattt cactttttta aaaaacccag tggacattgc tataaataag atttatttgg    300
          ctacaaataa cctgggatgt tgcttattat gattgatgcc tgctggtttg ttcccaagct    360
          gagtgaaatt gaacctcgtc ctccctactc attttgatga ctgaggctgg tttataagaa    420
          aaggaagttt ggagaagaaa accgagatta gaaaatatca tgttttggtt ggagataaga    480
          accagggatg gcaagtacca gtgtgtacaa atgtatttca cggagtttga aggaacgcat    540
          aatcaagagg gaaaacaatt tgtccttcat tggacgtatt atttggattt gggtgagcaa    600
          caaaatggaa tgtggtctgt taggagcatt ctgtttgttc ttttgtccct gatgtgatga    660
          atcattgcca catgctagat ggactcttca tatccaggtt ttgtccctca gggctgagca    720
          ctgtattaaa gagtttttgt tgagtcattt aaccttagtg tccacatcca gatcagctgt    780
          aaaatgggga agacgtgtgc tgatttggaa tgaatgcaaa atatcactat cattttccta    840
          attacagagg agcaaaggtt atcttcagcc ctttcagttc tatgctcaca tattcaaata    900
          tcaaatgtaa tttagctgaa gttatttaat aatcaagtct ttcaatatct gttcaaagaa    960
          aaagaacaca ctttgaaaat tctgcaaagc tgtctcccag tctttaaaat gtctggaagc   1020
          actctccttc tttacaatac caacatcact ggcccagaat cttccctgtg ctagtttgta   1080
          aatataaata aattacttgt tttgtaaact tttgtaaaga atattttggt agaaatactt   1140
          caaacatatt ctttgggtta tatttataca tatgtgaaat aaatatacta tcaaaaggtt   1200
          atattttata caaaaagtaa attgctacct tttgtatgct aatatgcaaa gttttgtata   1260
          atatgatggt ttatttttag ctctacactt aaaccatagg tggttgagtg ggaacttttg   1320
          aaaactatca agaggcttgt tagacaaatt tatattctga aacctcaata agaaagcatt   1380
```

10301

```
ccaggtttca atccttgttt tttgtcctgc tcccaaattc ttttttaaac ccatagttct    1440
tgtgtcttat ttgattcttc tgctgtgcac attgtattgg tccttgttgc atgtagtcta    1500
ctgtgtgttt tccgatttta taaggcagca tttctccata caaaaagaaa aaaaatgatg    1560
tacatataaa cgcttttgtt gtatggctcc tccatgttac tgtatatatc tgccagcact    1620
tcccagttac actcctgtga gtcagcttat ttttacccta acataaatag tatgttttgt    1680
agtagttatc aaatttaaga gataaagcaa tcagaatgtt tggattttct tctatcttaa    1740
tgtgaatttc ataattaatg tctatttatt cagctattca ttaaaataca ggattctttg    1800
ggaaaacatg a                                                         1811


<210> 11722
<211> 179
<212> DNA
<213> Homo sapiens

<400> 11722
gcaatttttc tttttgttt taagtcaaag actagaaagc agttttaagc aagtaattcg    60
gtcttggctt tgtaattaag ccctatgaag ataaataact ctgctctaag tgaatgcgct    120
aatgttacct gcattactgt aaacgtacca taacggtaaa gatttcaact tgtaaaaca     179


<210> 11723
<211> 1551
<212> DNA
<213> Homo sapiens

<400> 11723
ttttctcagg tggctcatcc acaataagct taaactctaa ccaggctttg gcaaaaccca    60
gtttcaacac acaccatttt aactcccaat tccagcctcc tgtctacttc tcacgggaca    120
agaatgccat cattatctac agcagttcag aatatgggga tgtatggaaa tctgccttgt    180
aatcaaccta acacatacag tgtcacttca ggaatgaatc aattgaccca acagagaaac    240
ccaaagcaat tgttagcaaa tcaaaacaac cctatgatgc cacggccacc taccttaggg    300
ccaagtaata ataacaatgt agccactttt ggagctggat ctgttggtaa ttcacaacaa    360
ttgagaccaa atttaaccca tagtatggca agcatgccac cacagagaac atcaaacgta    420
atgatcacat ccaacacaac tgcaccaaac tgggcctctc aagaaggaac aagcaaacag    480
caagaagccc tgacgtctgc aggagtccgc ttccccacag gtacacctgc agcctatacc    540
ccaaatcagt cactgcaaca ggcagtaggt agccagcaat tttcccagag ggcagtggct    600
cctcctaacc agttaacacc agcagtgcaa atgagaccca tgaaccaaat gagccaaaca    660
ctaaatgggc aaaccatggg tcccctcagg ggtctgaatc tcagacccaa tcagctaagc    720
acacagattt tgcctaattt gaatcagtca ggaacagggt tgaatcagtc gaggacgggc    780
atcaaccagc caccatccct gacgcccagc aattttcctt cacccaacca aagttccagg    840
gcttttcaag gaactgacca cagcagtgac ttagcttttg acttcctcag ccaacaaaat    900
gataacatgg ccctgccct aaacagtgat gctgatttca ttgattcttt attgaagaca    960
gagcctggta atgatgactg gatgaaagac atcaatcttg atgaaatctt ggggaacaat    1020
tcctaaagaa gaaagggaag acaatttaca aactccaagc actaaaaggc agtatattac    1080
agaaactctg tagaggctga actgttgatg ttcaggtgga ctacatgaag ataacatgct    1140
taaaaatgga aagcagaaag taactgcagt gatgaacatt ttggtccaaa ttcttgtttt    1200
aaatcttaca cctgaaagta aaatattggg atcacttttc cctgtctaaa ctccaggata    1260
cagtatccaa tttatccaaa cagaactgtg gtgtcaatgt gtaattaatt gtgtaaaata    1320
gccttcccaa gtttcttttt ccctggaaaa taaaaaaggt aatagaactt gtagtttatt    1380
taaaccccat gtcatgagga ggtactagtt ccaagcaaca aactccttaa tttgctctaa    1440
tagataggta tggtttaatc tttccattgt gtcttttcat ttaattttcc tgaagcttgc    1500
aggatagatt gaaatgttat aggtttgttt ggagtaacca aacagtatgc a             1551


<210> 11724
<211> 1550
<212> DNA
<213> Homo sapiens

<400> 11724
```

10302

```
ttttctcagg tggctcatcc acaataagct taaactctaa ccaggctttg gcaaacccag        60
tttcaacaca caccatttta actcccaatt ccagcctcct gtctacttct cacgggacaa       120
gaatgccatc attatctaca gcagttcaga atatggggat gtatggaaat ctgccttgta       180
atcaacctaa cacatacagt gtcacttcag gaatgaatca attgacccaa cagagaaacc       240
caaagcaatt gttagcaaat caaaacaacc ctatgatgcc acggccacct accttagggc       300
caagtaataa taacaatgta gccacttttg gagctggatc tgttggtaat tcacaacaat       360
tgagaccaaa tttaacccat agtatggcaa gcatgccacc acagagaaca tcaaacgtaa       420
tgatcacatc caacacaact gcaccaaact gggcctctca agaaggaaca agcaaacagc       480
aagaagccct gacgtctgca ggagtccgct tccccacagg tacacctgca gcctataccc       540
caaatcagtc actgcaacag gcagtaggta gccagcaatt ttcccagagg gcagtggctc       600
ctcctaacca gttaacacca gcagtgcaaa tgagacccat gaaccaaatg agccaaacac       660
taaatgggca aaccatgggt cccctcaggg gtctgaatct cagacccaat cagctaagca       720
cacagatttt gcctaatttg aatcagtcag gaacaggggtt gaatcagtcg aggacgggca       780
tcaaccagcc accatccctg acgcccagca attttccttc acccaaccaa agttccaggg       840
cttttcaagg aactgaccac agcagtgact tagctttttga cttcctcagc caacaaaatg       900
ataacatggg ccctgcccta aacagtgatg ctgatttcat tgattcttta ttgaagacag       960
agcctggtaa tgatgactgg atgaaagaca tcaatcttga tgaaatcttg gggaacaatt      1020
cctaaagaag aaagggaaga caatttacaa actccaagca ctaaaaggca gtatattaca      1080
gaaactctgt agaggctgaa ctgttgatgt tcaggtggac tacatgaaga taacatgctt      1140
aaaaatggaa agcagaaagt aactgcagtg atgaacattt tggtccaaat tcttgtttta      1200
aatcttacac ctgaaagtaa aatattggga tcacttttcc ctgtctaaac tccaggatac      1260
agtatccaat ttatccaaac agaactgtgg tgtcaatgtg taattaattg tgtaaaatag      1320
ccttcccaag tttctttttc cctggaaaat aaaaaaggta atagaacttg tagtttatttt      1380
aaaccccatg tcatgaggag gtactagttc caagcaacaa actccttaat ttgctctaat      1440
agataggtat ggtttaatct ttccattgtg tcttttcatt taattttcct gaagcttgca      1500
ggatagattg aaatgttata ggtttgtttg gagtaaccaa acagtatgca                 1550
```

<210> 11725
<211> 137
<212> DNA
<213> Homo sapiens

<400> 11725
```
tagtcccagc tcctcgagag gctgaggcag gaaaatcact tgaacccggg aggcggaggt        60
tgcagtgagc ccagactgcg ccactgcact ccagcctggc aacagagcga gactccatct       120
caaaaacaaa aaaaaaa                                                       137
```

<210> 11726
<211> 1745
<212> DNA
<213> Homo sapiens

<400> 11726
```
cttagccctc acttctaaga gtctgtaaga tattcccact tgaggagctt gtcttcttca        60
atgctgtatc tcagaaatta aactcctcct tttctcacgc caaaccatct ctcctcctgg       120
cttctctcct cttcatgggg ttgttcatct cccacacact caggtcagaa accttgctat       180
tgcctcccct ctttccacgc ccccactttt ttctgctcat atcttgccca tcactcaatc       240
ctgcagattc tttcttcatg cctttcattc cttccttccc gtttctatgg cccctactct       300
gacccaaatc atattaccta atattgcttc atatttttac ccaagagctt cgtcctatct       360
ctggttccct tggaagctcc ccaatgcctg caggcaaatc cagccccctt aaatttacca       420
ttcagtgcct cccataatcc aaccttgatc tgctcttcta actaaacttt ccccataccc       480
aaatgaagcc ccagccagcc tggtgtgctc cccagtctct ggcaagcctc tgctcaagtc       540
ctgtgttctg tttggaatgc cagccccatg cacttcacca gtcctactta ctcctttaag       600
gctcagtcgg tgacccaccc ttttggagga catctgagct ccccatggca gcttctgggc       660
ttctttgcat cctgggatct cccagaatct attttttcaac ctgatgctac attcctccac       720
agcagggaga tgcctttttat tttgttcttc ttccttatac cgtcaaattc caaggataga       780
aaattgcatt tccctgggcc tgtgaaaagg gatccctccc tccctgcaca ctcatgcctg       840
gctcacacgg agtgagccag acagcgcttc ctcattcccc gcagtgggtg tcgcaacagc       900
cagttgcaac tagaataggg gccacatccc gagtctcttg aattcttgcc ctgtggttag       960
```

```
gatgcccttc ttgcctgtcc tgaaggtgga gatttcctac agccgagaga gagggagtca    1020
gcagtctagg gcaggaactc catcatttct ttattaaacc actcctaact ctctctaatc    1080
tctgtgagtc ttgcctttcc cttttctctc ctcctcctac tgttgagtac aactaggcca    1140
ggctgaatga gaggagaaag atggggagga ggaaagaagt taggcagcct tggcagaggg    1200
tgcaatgctc cgggaaaatg ggagagattt acaaggcaga gattgacagt ttttagtaac    1260
ttgactttga cctccagtgt acacagacat agccttggct gctggactct gagctttctg    1320
gccctgggaa gctcgagatt tgcaaacact tgttcgacaa tcacctcgtt tatctgcatt    1380
gtcaccagtg cagcctctga gccctctccc tgtctttact tgaccctgta tagaaaaatg    1440
ctttcagggc caattgcagt gactcatgcc tgtaatccca gcactctggg aggccaaggc    1500
gggcagatca cctgaagttg ggagtttgag accagcctga ccaacatgga gaaaccccat    1560
ctgtactaaa aataaaaaat tagccggata ttgtggcgca ggcctgtaat cccagctacc    1620
agggaagctg aggcaggaga atggcttgaa cccagtaggc ggaggttgca gtgagccaag    1680
atcatgccat tacactccag cctagctggg caaaagagca aaacactgtc tcaaaaaaaa    1740
aaaaa                                                                1745


<210> 11727
<211> 828
<212> DNA
<213> Homo sapiens

<400> 11727
aactgtaaga tatttatta actctaagtt acttaaaggt aaataatgtg ccataaaaga     60
ggcacgaagt gctatgagat tgcaggggcag agattccttc tggctatgga ctctgggaat    120
gcttcctgga ggagacggca tttggcaaag ctctgaaagg atagacagga tacactgtgg    180
gaacttgaga tggtggctgt agtcaaagaa gagtataaat aacagcagag agatggagag    240
gtgtggtttg agtgactcat tttgggtgga accaagagtg gcaaaaggca atcagagttg    300
ggggtggaac ggaagataag gcttggacag ggaggccaat gtgtttggga gttatcctgg    360
aagtcccaga cagccatggg gctttattct gaaggcagta ggagctgttg accatgctga    420
cttcggtgga ggtgcgaggg tcagattctg gtgtgtagag tggatgagag tgaagagagc    480
ttgaattcgc aagggagcag ataagagagt gttgtaatat ttcaggcctc acacatctga    540
ataaattgcg taactcagat actttgcggt cctgtggagc atgcaggcat cccctggagg    600
cttctacttt ctctgagctg aaattggttc tttgatgaat ttgagagata tataacttat    660
gagaacatcc atgagaaacc caccattcct cttcacctct gtcttccata ttcttgattc    720
ccagcctggc cgcttccccc tgggcctccc ctctgctagg agtgtgttaa atgccaagcc    780
tgtctcaacc tctatctggc agcaccttga agtatcaagt caggaata                 828


<210> 11728
<211> 552
<212> DNA
<213> Homo sapiens

<400> 11728
tgcaggtcat ctggaattct ttccgggtct caggctcgtg aggtgctcat tgtgtatgtg     60
tcatgggagc tggagaatgg ctgtaggtgc aaatggactt ggaaaagaac aatgtcaaag    120
tcgtaagtcc agcctggggc atggcaggtt tatgtatgtg tgagtggcgg gaggggctgt    180
agatttgaac tccctgaaag aagatatgtg taattcttac caaagagtaa atgcatatgt    240
ttatgaaaga aagttcattg ctatcatctg gctctccaag gcacctgtga ccccaaaaga    300
ttaagaacat ctctcataag atattatcat ccgttctaca aacctttcat aaaaatgacc    360
tcaaacttga gctcctttt aattcagaca aactaggcca taagccctgt tgaggaaaga    420
accgtatctg tatggagagt cactgttaca tcccaaggac acagcctggt acctgacaca    480
cagctggcat tgagtacgta caatgtgtgc ctgatataag gcagctctgt tctcccaata    540
aggagggctg ct                                                        552


<210> 11729
<211> 38771
<212> DNA
<213> Homo sapiens
```

10304

```
<220>
<221> SITE
<222> (7892)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7893)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7894)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7895)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7896)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7897)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7898)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7899)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7900)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7901)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7902)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7903)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (7904)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7905)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7906)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7907)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7908)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7909)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7910)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7911)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7912)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7913)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7914)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7915)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (7916)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7917)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7918)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7919)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7920)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7921)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7922)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7923)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7924)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7925)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7926)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7927)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7928)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7929)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7930)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7931)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7932)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7933)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7934)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7935)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7936)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7937)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7938)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7939)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7940)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (7941)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7942)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7943)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7944)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7945)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7946)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7947)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7948)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7949)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7950)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7951)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7952)
<223> n equals a,t,g, or c
```

10309

```
<220>
<221> SITE
<222> (7953)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7954)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7955)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7956)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7957)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7958)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7959)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7960)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7961)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7962)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7963)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7964)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (7965)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7966)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7967)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7968)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7969)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7970)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7971)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7972)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7973)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7974)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7975)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7976)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (7977)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7978)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7979)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7980)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7981)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7982)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7983)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7984)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7985)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7986)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7987)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7988)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7989)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7990)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7991)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7992)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7993)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7994)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7995)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7996)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7997)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7998)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7999)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8000)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8001)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8002)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8003)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8004)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8005)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8006)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8007)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8008)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8009)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8010)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8011)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8012)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8013)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8014)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8015)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8016)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8017)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8018)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8019)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8020)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8021)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8022)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8023)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8024)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8025)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (8026)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8027)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8028)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8029)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8030)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8031)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8032)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8033)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8034)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8035)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8036)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8037)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (8038)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8039)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8040)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8041)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8042)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8043)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8044)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8045)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8046)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8047)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8048)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8049)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8050)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8051)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8052)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8053)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8054)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8055)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8056)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8057)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8058)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8059)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8060)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8061)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8062)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (8063)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8064)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8065)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8066)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8067)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8068)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8069)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8070)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8071)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8072)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8073)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8074)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8075)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8076)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8077)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8078)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8079)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8080)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8081)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8082)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8083)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8084)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8085)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8086)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (8087)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8088)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8089)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8090)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8091)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8092)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8093)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8094)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8095)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8096)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8097)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8098)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (8099)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8100)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8101)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8102)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8103)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8104)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8105)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8106)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8107)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8108)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8109)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8110)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8111)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8112)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8113)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8114)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8115)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8116)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8117)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8118)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8119)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8120)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8121)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8122)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8123)
<223> n equals a,t,g, or c
```

10323

```
<220>
<221> SITE
<222> (8124)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8125)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8126)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8127)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8128)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8129)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8130)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8131)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8132)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8133)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8134)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8135)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8136)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8137)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8138)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8139)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8140)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8141)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8142)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8143)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8144)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8145)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8146)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8147)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (8148)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8149)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8150)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8151)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8152)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8153)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8154)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8155)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8156)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8157)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8158)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8159)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

<222> (8160)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8161)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8162)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8163)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8164)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8165)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8166)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8167)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8168)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8169)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8170)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8171)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8172)

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8173)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8174)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8175)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8176)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8177)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8178)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8179)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8180)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8181)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8182)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8183)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8184)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (8185)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8186)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8187)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8188)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8189)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8190)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8191)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8192)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8193)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8194)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8195)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8196)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8197)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8198)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8199)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8200)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8201)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8202)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8203)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8204)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8205)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8206)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8207)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8208)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (8209)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8210)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8211)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8212)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8213)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8214)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8215)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8216)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8217)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8218)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8219)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8220)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (8221)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8222)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8223)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8224)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8225)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8226)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8227)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8228)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8229)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8230)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8231)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8232)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8233)
```

<220>
<221> SITE
<222> (8233)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8234)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8235)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8236)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8237)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8238)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8239)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8240)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8241)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8242)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8243)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8244)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8245)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (8246)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8247)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8248)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8249)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8250)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8251)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8252)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8253)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8254)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8255)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8256)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8257)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8258)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8259)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8260)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8261)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8262)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8263)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8264)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8265)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8266)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8267)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8268)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8269)
<223> n equals a,t,g, or c

<220>
```

<220>
<221> SITE
<222> (8270)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8271)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8272)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8273)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8274)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8275)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8276)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8277)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8278)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8279)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8280)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8281)
<223> n equals a,t,g, or c

<220>
<221> SITE

```
<222> (8282)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8283)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8284)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8285)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8286)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8287)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8288)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8289)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8290)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8291)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8292)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8293)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8294)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8295)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8296)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8297)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8298)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8299)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8300)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8301)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8302)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8303)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8304)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8305)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8306)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (8307)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8308)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8309)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8310)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8311)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8312)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8313)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8314)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8315)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8316)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8317)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8318)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8319)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8320)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8321)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8322)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8323)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8324)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8325)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8326)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8327)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8328)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8329)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8330)
<223> n equals a,t,g, or c

<220>
```

10340

```
<221> SITE
<222> (8331)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8332)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8333)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8334)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8335)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8336)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8337)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8338)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8339)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8340)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8341)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8342)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (8343)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8344)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8345)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8346)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8347)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8348)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8349)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8350)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8351)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8352)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8353)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8354)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8355)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8356)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8357)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8358)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8359)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8360)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8361)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8362)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8363)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8364)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8365)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8366)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8367)
<223> n equals a,t,g, or c
```

10343

```
<220>
<221> SITE
<222> (8368)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8369)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8370)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8371)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8372)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8373)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8374)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8375)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8376)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8377)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8378)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8379)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8380)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8381)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8382)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8383)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8384)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8385)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8386)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8387)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8388)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8389)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8390)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8391)
<223> n equals a,t,g, or c

<220>
```

<221> SITE
<222> (8392)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8393)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8394)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8395)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8396)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8397)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8398)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8399)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8400)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8401)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8402)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8403)
<223> n equals a,t,g, or c

<220>
<221> SITE

```
<222> (8404)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8405)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8406)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8407)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8408)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8409)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8410)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8411)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8412)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8413)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8414)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8415)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8416)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8417)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8418)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8419)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8420)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8421)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8422)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8423)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8424)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8425)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8426)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8427)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8428)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8429)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8430)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8431)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8432)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8433)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8434)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8435)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8436)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8437)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8438)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8439)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8440)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8441)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8442)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8443)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8444)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8445)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8446)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8447)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8448)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8449)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8450)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8451)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8452)
<223> n equals a,t,g, or c

<220>
```

10350

```
<221> SITE
<222> (8453)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8454)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8455)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8456)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8457)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8458)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8459)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8460)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8461)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8462)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8463)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8464)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (8465)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8466)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8467)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8468)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8469)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8470)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8471)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8472)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8473)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8474)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8475)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8476)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8477)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8478)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8479)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8480)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8481)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8482)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8483)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8484)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8485)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8486)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8487)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8488)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8489)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (8490)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8491)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8492)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8493)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8494)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8495)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8496)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8497)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8498)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8499)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8500)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8501)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8502)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8503)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8504)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8505)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8506)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8507)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8508)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8509)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8510)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8511)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8512)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8513)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (8514)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8515)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8516)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8517)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8518)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8519)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8520)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8521)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8522)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8523)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8524)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8525)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

10356

```
<222> (8526)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8527)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8528)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8529)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8530)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8531)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8532)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8533)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8534)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8535)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8536)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8537)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8538)
```

10357

<220>
<221> SITE
<222> (8539)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8540)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8541)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8542)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8543)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8544)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8545)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8546)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8547)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8548)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8549)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8550)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (8551)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8552)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8553)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8554)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8555)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8556)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8557)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8558)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8559)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8560)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8561)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8562)
<223> n equals a,t,g, or c
```

<220>
<221> SITE
<222> (8563)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8564)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8565)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8566)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8567)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8568)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8569)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8570)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8571)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8572)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8573)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8574)
<223> n equals a,t,g, or c

<220>

```
<221> SITE
<222> (8575)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8576)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8577)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8578)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8579)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8580)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8581)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8582)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8583)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8584)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8585)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8586)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (8587)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8588)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8589)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8590)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8591)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8592)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8593)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8594)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8595)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8596)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8597)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8598)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8599)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8600)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8601)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8602)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8603)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8604)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8605)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8606)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8607)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8608)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8609)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8610)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8611)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (8612)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8613)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8614)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8615)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8616)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8617)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8618)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8619)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8620)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8621)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8622)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8623)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8624)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8625)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8626)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8627)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8628)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8629)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8630)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8631)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8632)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8633)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8634)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8635)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (8636)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8637)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8638)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8639)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8640)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8641)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8642)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8643)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8644)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8645)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8646)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8647)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

<222> (8648)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8649)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8650)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8651)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8652)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8653)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8654)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8655)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8656)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8657)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8658)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8659)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8660)

<220>
<221> SITE
<222> (8660)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8661)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8662)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8663)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8664)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8665)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8666)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8667)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8668)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8669)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8670)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8671)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8672)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (8673)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8674)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8675)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8676)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8677)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8678)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8679)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8680)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8681)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8682)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8683)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8684)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8685)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8686)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8687)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8688)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8689)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8690)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8691)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8692)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8693)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8694)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8695)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8696)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (8697)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8698)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8699)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8700)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8701)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8702)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8703)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8704)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8705)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8706)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8707)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8708)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (8709)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8710)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8711)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8712)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8713)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8714)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8715)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8716)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8717)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8718)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8719)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8720)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8721)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8722)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8723)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8724)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8725)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8726)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8727)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8728)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8729)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8730)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8731)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8732)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8733)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8734)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8735)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8736)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8737)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8738)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8739)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8740)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8741)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8742)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8743)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8744)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8745)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8746)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8747)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8748)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8749)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8750)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8751)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8752)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8753)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8754)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8755)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8756)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8757)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (8758)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8759)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8760)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8761)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8762)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8763)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8764)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8765)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8766)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8767)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8768)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8769)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (8770)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8771)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8772)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8773)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8774)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8775)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8776)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8777)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8778)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8779)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8780)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8781)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8782)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8783)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8784)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8785)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8786)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8787)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8788)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8789)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8790)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8791)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8792)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8793)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8794)
<223> n equals a,t,g, or c

10378

```
<220>
<221> SITE
<222> (8795)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8796)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8797)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8798)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8799)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8800)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8801)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8802)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8803)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8804)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8805)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8806)
<223> n equals a,t,g, or c
```

10379

```
<220>
<221> SITE
<222> (8807)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8808)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8809)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8810)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8811)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8812)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8813)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8814)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8815)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8816)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8817)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8818)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (8819)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8820)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8821)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8822)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8823)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8824)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8825)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8826)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8827)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8828)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8829)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8830)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (8831)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8832)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8833)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8834)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8835)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8836)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8837)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8838)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8839)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8840)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8841)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8842)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8843)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8844)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8845)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8846)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8847)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8848)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8849)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8850)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8851)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8852)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8853)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8854)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8855)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8856)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8857)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8858)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8859)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8860)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8861)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8862)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8863)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8864)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8865)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8866)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8867)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8868)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8869)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8870)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8871)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8872)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8873)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8874)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8875)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8876)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8877)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8878)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8879)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (8880)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8881)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8882)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8883)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8884)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8885)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8886)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8887)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8888)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8889)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8890)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8891)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (8892)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8893)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8894)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8895)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8896)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8897)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8898)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8899)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8900)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8901)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8902)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8903)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8904)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8905)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8906)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8907)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8908)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8909)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8910)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8911)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8912)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8913)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8914)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8915)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8916)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (8917)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8918)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8919)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8920)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8921)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8922)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8923)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8924)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8925)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8926)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8927)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8928)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8929)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8930)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8931)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8932)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8933)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8934)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8935)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8936)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8937)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8938)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8939)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8940)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (8941)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8942)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8943)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8944)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8945)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8946)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8947)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8948)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8949)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8950)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8951)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8952)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (8953)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8954)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8955)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8956)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8957)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8958)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8959)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8960)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8961)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8962)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8963)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8964)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8965)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8966)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8967)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8968)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8969)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8970)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8971)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8972)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8973)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8974)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8975)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8976)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8977)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (8978)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8979)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8980)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8981)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8982)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8983)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8984)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8985)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8986)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8987)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8988)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8989)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (8990)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8991)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8992)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8993)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8994)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8995)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8996)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8997)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8998)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8999)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9000)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9001)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (9002)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9003)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9004)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9005)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9006)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9007)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9008)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9009)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9010)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9011)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9012)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9013)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (9014)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9015)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9016)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9017)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9018)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9019)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9020)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9021)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9022)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9023)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9024)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9025)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9026)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9027)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9028)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9029)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9030)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9031)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9032)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9033)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9034)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9035)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9036)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9037)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9038)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9039)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9040)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9041)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9042)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9043)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9044)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9045)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9046)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9047)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9048)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9049)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9050)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9051)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9052)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9053)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9054)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9055)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9056)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9057)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9058)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9059)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9060)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9061)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9062)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (9063)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9064)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9065)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9066)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9067)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9068)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9069)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9070)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9071)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9072)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9073)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9074)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (9075)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9076)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9077)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9078)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9079)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9080)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9081)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9082)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9083)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9084)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9085)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9086)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9087)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9088)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9089)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9090)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9091)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9092)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9093)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9094)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9095)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9096)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9097)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9098)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9099)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (9100)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9101)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9102)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9103)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9104)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9105)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9106)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9107)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9108)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9109)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9110)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9111)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9112)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9113)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9114)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9115)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9116)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9117)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9118)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9119)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9120)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9121)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9122)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9123)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (9124)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9125)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9126)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9127)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9128)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9129)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9130)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9131)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9132)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9133)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9134)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9135)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (9136)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9137)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9138)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9139)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9140)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9141)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9142)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9143)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9144)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9145)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9146)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9147)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9148)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9149)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9150)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9151)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9152)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9153)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9154)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9155)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9156)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9157)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9158)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9159)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9160)
<223> n equals a,t,g, or c
```

<220>
<221> SITE
<222> (9161)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9162)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9163)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9164)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9165)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9166)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9167)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9168)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9169)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9170)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9171)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9172)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (9173)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9174)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9175)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9176)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9177)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9178)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9179)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9180)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9181)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9182)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9183)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9184)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (9185)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9186)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9187)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9188)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9189)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9190)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9191)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9192)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9193)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9194)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9195)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9196)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

<220>
<221> SITE
<222> (9197)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9198)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9199)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9200)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9201)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9202)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9203)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9204)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9205)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9206)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9207)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9208)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9209)

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9210)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9211)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9212)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9213)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9214)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9215)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9216)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9217)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9218)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9219)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9220)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9221)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (9222)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9223)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9224)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9225)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9226)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9227)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9228)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9229)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9230)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9231)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9232)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9233)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9234)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9235)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9236)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9237)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9238)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9239)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9240)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9241)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9242)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9243)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9244)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9245)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (9246)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9247)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9248)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9249)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9250)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9251)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9252)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9253)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9254)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9255)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9256)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9257)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (9258)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9259)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9260)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9261)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9262)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9263)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9264)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9265)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9266)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9267)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9268)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9269)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9270)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9271)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9272)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9273)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9274)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9275)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9276)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9277)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9278)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9279)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9280)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9281)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9282)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9283)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9284)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9285)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9286)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9287)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9288)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9289)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9290)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9291)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9292)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9293)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9294)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9295)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9296)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9297)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9298)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9299)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9300)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9301)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9302)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9303)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9304)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9305)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9306)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (9307)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9308)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9309)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9310)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9311)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9312)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9313)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9314)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9315)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9316)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9317)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9318)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (9319)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9320)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9321)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9322)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9323)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9324)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9325)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9326)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9327)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9328)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9329)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9330)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9331)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9332)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9333)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9334)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9335)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9336)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9337)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9338)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9339)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9340)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9341)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9342)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9343)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9344)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9345)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9346)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9347)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9348)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9349)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9350)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9351)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9352)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9353)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9354)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9355)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9356)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9357)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9358)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9359)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9360)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9361)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9362)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9363)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9364)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9365)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9366)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9367)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (9368)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9369)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9370)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9371)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9372)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9373)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9374)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9375)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9376)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9377)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9378)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9379)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

10426

```
<222> (9380)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9381)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9382)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9383)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9384)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9385)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9386)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9387)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9388)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9389)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9390)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9391)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9392)
```

10427

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9393)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9394)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9395)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9396)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9397)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9398)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9399)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9400)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9401)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9402)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9403)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9404)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (9405)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9406)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9407)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9408)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9409)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9410)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9411)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9412)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9413)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9414)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9415)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9416)
<223> n equals a,t,g, or c
```

<400> 11729
```
gtgacttgta gctttaacaa aaattaggtt ccctagttgc agctgccagg gaaagctagt      60
ctaatatcaa agcaaaccat ccttcttctc aagcacagag tttttaagat aggagtgtgt     120
gtgtattgac attttcctag cagtggctga agtcaaggac caggagattt agggcccact     180
tggagttctt atggtgaaac agtagtagct tcctagagac ctttaaagct tatctgtaat     240
ttgtatagtt cagaagatac tgtatacatc attatttctc cctgctttca aaacaggaag     300
ggggtgtgga gagtaacaca ctaaaaaaag gataagtaat taatttctgg gtaagaattt     360
ccttttggct taaaatggac tgatggtgta agttcctccc tttgcaagca gaagctttga     420
agatagtgag ctagatgaag ctctggacat cttgaatgaa gtattctgta taagaaccaa     480
gtgtataata actgttagta atagaggctg ctcatagaaa tgtcattgca ttataattgt     540
agggacagtt tgtcagagag taggtagaag attatcagac ccaggttttg ttcttggctc     600
acatgaagtc atcaagtagg ctatttaaat gcttcacttt aaccataggc taagattaaa     660
ttaaaaataa aaagcttttg tcatggccgg gcacagtggc tcatgcctgt aatcccagca     720
ctttgggagg ctgaggtggg tggatcacct gaggtcagga atttgagact ggtctgacca     780
acatggtgaa accctgtctc tactaaaaat acaaaaatta gccgggcacg gtggtgcacg     840
cctgtaatcc cagctactcg ggaggctgag gcaggagaat cgcttgaacc tgggaggggg     900
aggttgcagt gagccgagat cgtaccattg cactccagcc tgggggacag  agtgagactc     960
cgtctcaaaa aaaaaaaaa aaaagctttt tgtcaattaa agatgcttgt cagtactgag    1020
tattcatgtt gctatggcac ttttataaga aaactgtaca cggtcatatc tgcttccgaa    1080
aataatacat agtgagatag taattttaca ggcaattaag aatttgctgg ccaggcgcgg    1140
tggcttacac ctgtaatccc agcactttgg aaagccaagg tgggtggatc acctgaggtc    1200
aggagtttga ccagcctg gccaacatgg cgaaaccctg tctctactaa aaaaaaaaat    1260
ccaaaaaatt agccgggcat ggtggcaggc gcttgtaatc ccagcaactt gggaggctga    1320
ggcaggagaa tcacttgaac ccgggaggca gaggttgcag tgagccgaga tcgcgccatt    1380
gcactccacc tgggcaacaa gagcaaaaac tccgtctcaa aaaaaaaga atttgctata    1440
atagaagatc catgtgtaca ttctgtatgc aaatcttagg aagatattag atcccagaag    1500
gttaaagttc cgatctctat atatttgtat atgctttaag gagaagtggc atccatgtag    1560
atgtggtaaa tggcttataa ctctcgaggt ttccaatttc tgctgtggta gcaattctaa    1620
actcagatgg acttggacac tactctggat tactgtccct aaatatcaac tactgtttat    1680
aagccagcag aggccaactg aaatagtaca cataaagttc ctacagcata tccctcagtc    1740
agaagtggaa aagattgatt aaagttggag tataaacata tggggccctg accaaaaata    1800
ttgaaccgta ctactagaaa tccccattct ttagctaaag gataatctga cttcactttt    1860
aattcttcat tgactattgg tgctctgaaa gaataggaaa taatagcaaa acatgggaac    1920
tcctagatag catacatttta tttttaaat gtataccatc ggccaggcac catggctcac    1980
gcctgtaatc ccagcacttt gggaggccaa ggtgggcgga tcatttgagg tcaggagttg    2040
gagaccaccc tgggcaacat ggtgaaaccc catctctact aaaaatacaa aaactaactg    2100
ggtgtggtag cacacacctg taatcccagc tactcaggag gctgaggcag tagaactgct    2160
tgaacctgga agacagaggt tgcagggagc caagatcacg ccactgtact atagcctggg    2220
agaaacaaa caaaaaacat atggtcaact cccaagtaa actgaccaat gtcagtttag    2280
gttcagtctt actgtaggag tgcctgccgt aggccagcgc ctctcaacct ttccactaag    2340
tacattaaga tcctaacagt aatcattggg accccaggtc atcgtctcaa cagaagctcc    2400
agatttcttc aagtcttggc cctcttgttt tatatcaaaa ttttatgtat attattttta    2460
tattttcaaa aattctcccc agatcatcaa gtaatattga gatgctgaca tagaaaaaag    2520
tagatttcca gctggtatga tcagtgataa attggacttc atcaaaatta aaagcttttg    2580
tgcaccaaag gatactatca agaaagtaaa aagctatccc acagaatagg agaaaatatt    2640
tgtaaatcat aagtctagta ttcagatgtc taaagaactc ttagaattca acaataaaaa    2700
gataacccag tttacaaaat ggatatgaat agacagttct ctaaaagaga catatacatg    2760
gccaataagc tcgtgaaaag ctgtttaata tctttagtca ttagggaaat gcaaatcaaa    2820
accacaatga tatatcattt cacacctact aggatggcaa taatcaaaaa cacacaaaca    2880
gatgttggtg aagatacgga gaaattggaa ccctcaagca ttgctggtgg gaatgtaaaa    2940
tggtgcagcc acttgtggaa aatagtttgt cagttcctca aaaagttcac agttaccata    3000
tgacccagca attccattcc tagggttaca cccaagggaa ctgaaagcat agattcacac    3060
aaaaacttgt acacaaatgt tcatagcttt attataatag ccaaaagtgg aaacaaccca    3120
gttgtccacc aattgggaca aattgaatga atacacaaaa tgttatatcc acacaatgga    3180
atgttattca gccataagaa aacaatgaaa tcctgatcac atgctgcgac acagatgaac .    3240
cttgaaaaat tgtgacatga aacaagccag acacaaatgg ccacatattg tatgattcca    3300
tttatatgaa atacccagaa taagctaatt cgtaaagaca gaaaatagat tggtggttgc    3360
tagggataa gaggaagggt gaattgggaa tggccactat gcggtacagg gtttctaatg    3420
ttctggcatt agatagcaga gatgaaaatg ttctggcatt agatagtgga gatggttgca    3480
taacactgaa tatactaaaa tccactgaat tgtacactta aaaaaatgaa gaaagaagga    3540
ctatgcatga tcaaagaaaa aaatgctttg tgctcaagta gggatagaat aaacagtaag    3600
```

10430

```
actggaaaga ctgtgaaggg ccttgaatgg caagctaagg aagttagctt tcatcttata 3660
gatcgtagga agccaccaga gtattttgag caggggtggc atgtttaagg tagtgttata 3720
ggaagtttaa tttgtgaaat gagaaagaga tactatcagc caggagaggt agaaggttct 3780
ataaagtcaa attgaacacc cgaagtttca gatttcatga atgaccctgg gtatgtgtgt 3840
atacacatat gtatgggatt tgtagtcatc tggggaaggc tgaggtgcta atatgaatac 3900
tgaaaactag agagggtaat atagcagagt agttaaaaat gaaaacactc tgaacccaca 3960
tgctgtctgg gttcaaattc cagctgggct accttccagc actgtgacct taggtaagtc 4020
actaaccctg tctgtgcttc agcttcctct tccgtaagat aaggatacct actcatcaag 4080
gttgttttga ggattaagtg ggttaataca tacaaagtgt ttacaatgtc aagcttaaag 4140
aaaggtcccc aaaaatgtca gctgctagtc tgaaactcca gagcaggttt gagagtaacc 4200
cgctgttgtt ctctgccccg gataaactat gaagtaacag tcctaaagtg ttaaaagaca 4260
aaacaaattt ttctttgtga aaaatgaccc tttaaaaaaa ctccatctac taataatgaa 4320
gcttagtagt agtaaaatga tgattttttag ccataaaacg ggttttctat atcttcacaa 4380
atatagtgta gagtttcaca atattctttg atatgaacca gtctctcata ctttctgtat 4440
agcactgatt cgctaagtaa gatgccaagg catgacctcc cttcaggaat tgggaatctg 4500
cattttttaat aagcatccta ggtaattctt ttttttttttt ttttttttttt gagacggagt 4560
ctcgctctgt cgcccaggcc ggactgcgga ctgcagtggt gcaatctcgg ctcactgcaa 4620
gctccgcttc ccgggttcac gccattctcc tgcctcagcc tcccaagtag ctgggactac 4680
aggcgccgc caccgcgccc ggctaatttt ttgtattttt aatagagacg gggtttcacc 4740
ttgttagcca ggatggtctc gatctcctga cctcatgatc cacccgcctc ggcctcccaa 4800
agtgctggga ttacaggcgt gagccaccgc gcccggccgc atcctaggta attcttatgc 4860
atgatacagg ttgagaccag tgccatgtac agaagtggga aaaatggctt atgaaactca 4920
gttgtattta gcacactgtg ttagacataa aatttgaaaa cccaacctgg acaacacagt 4980
gagacccagt ctctactaaa ataaaataaa taagtgaaca ttgaaaacca atggatagta 5040
gaatgtattc agttcagtga gacatgaaac aatattttg cttaattgaa tcaaacatat 5100
gttaaaaaaa aaaaaaaaac tcaccctact cccaaagcac tcaataaatt cttcagagaa 5160
aaggaagagc tttttgtact acattgcctc taaaatcttc tgtaggataa gacattttaa 5220
gatcacttaa aatcttgttt taagttttta agtctcattt taataaccaa ataaaatggt 5280
ttttatttga gccagtttca agttcttaaa gtgacacata ggacttaaca aaatccatta 5340
gttgtcattt gtgctttgcc cattttttact gatttcttca tactctgaag gaaaaaaaat 5400
gctacaaatg tatgttggta tataagagag tgcattccat aaatattaga aatttttttt 5460
ttctttttttt gagatggagt ttcactcttt cgcccaggct ggagtgcagt ggtgccatct 5520
cagctcactg caacctctgc cttccagttt caagtgattc tcctgcctca gcctcctgag 5580
cagctgggat tacaggcgcc cgccaccacg cccagctaac ttttgtattt ttagtagaga 5640
tggggtttca ccatgttggc caggctggtc ttgaactcct gaccttgtga tccacccacc 5700
tcagcctccc aaagtgctgg gattacaggc gttagccact gcgcccggcc agaaaaatat 5760
tttatagaat tcaaacttgt attttctttt gaagggatat aaaaagggtg agagaaccca 5820
acaaccacac ttattcaaat ttataaggat aattaggagt attctcatgg ttatctttag 5880
aatcttagca gggtaaaaaa gagtttattg tttcatttgc tgaaactcct gagaagaagt 5940
ctcaccacat ttgtatttac agagattaga tttggcaact ctaaagacaa gagaaattac 6000
tcatgataag tgtttggagg ggttggagag aaaacagcta attaggcact ggcagtgtg 6060
gcagggcaac cctttgggcaa cccagtccag attaggttag aagaggagca cggacctttt 6120
gtccactgca aaccagtgcc acaaatgaag tgggaagaga caggttacca catactggtt 6180
ggacttgaga gagaaccaga aagtgtacaa tcccataagc ataaaaaatg gggataaaac 6240
ttcaagtgta tataagggta agaacaggag gaagcagtaa cagagagggc aggagagaaa 6300
gatcagaagg aatcggacgc ctgagaagag gaactggggg ctgagtcctg tcctggcctg 6360
gccgctcccc attcctccct ctgcctctga gggcttcagt tttcccaagt gagaaacagc 6420
tgtgctagat tgcttctaca gtccttttcca ctcctggacc gaaacagttg ccccgtgcatc 6480
taaaatacgt agctctagca tataaaatgc aggttacctc aactcccccc cgactcccac 6540
atctcactcc cttcctttcc ctgcctgccc taattctggc tgcgttctgt tcttgcctca 6600
tatggactct ttttctcctc cccttctttt ccaatgtcat gcagtctctt aacactgggt 6660
ttcaaccact atacagaaaa atgttagtga aaaaggaaga ggggttccat gctgcttgat 6720
tctccctaac caggcacact aaactagggg tgacagtgta tcacaaagtc cagactcaca 6780
gtcttgctgc cccttctcct cttcaaagtt tgtttccgaa gtaccacccc ttgcacctca 6840
catcccagcc aactctgcct acctgtcagc cccagccctc ctcaggcctg cctcagcctc 6900
acagccagga tcctaccaac accaacaccg cgccaaataa cccctcccaa aagcctcacc 6960
ggaactaatc tggggactct gcctattatt aggaacacct tggatgaagc ccctacccgc 7020
agaattctgg cagtagcagc agaattttca ggcatgtgcc taattttgtt ggggtggtgg 7080
ttgattattt ttttttaaatc taggatttct gggatctgaa gcttatacaa tcttggatat 7140
cttctttaag aaaaagaata caaaaatatc ttctataagt tttacaaaaa tatatgacca 7200
tgtgagcacg ttgctagctc ccgcccccac cccacccccc agagccttgg aaggggagtg 7260
```

10431

```
aaactgaagc tttttttagct tcatggcaaa tatgcttctt cctgagagta ctgggtacat    7320
tcacagacct ttatttttta ctttctatag atttaattta gttaagtcag ttcgaagcgg    7380
gcaaaggcca aaatttctca cccctaggtg gctcaaattt ctgagcctga gattttatat    7440
cttaaaatcc attaaaagaa tactcaattt tcggccgggc gcagtggctc acacctataa    7500
tcccagcact ttgggaggct gaggcgggca gatcacgagg tcaggagatc gagactatcc    7560
tggctaacac ggtgaaaccc cgtctccact aaaaatacaa aaaattagcc aggcgtggtg    7620
gcgggcacct gtagtcccag ctacccagga ggctgaggca ggagaatggc gtgaacccgg    7680
gaggcggagc ttgcagtgag ccgagatcgc gccactgcac tctagcctgg gcgacagccg    7740
tctcaaaaaa agaatactca attttttaaga agttaggtgt aggtatgctt atataaaata    7800
tttagacatg cataagtatt ttaagtggcc tgaaggaagt acatgtatgc tacttttgca    7860
aatattttcg ctttttttttt tttttttttt gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    7920
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    7980
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8040
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8100
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8160
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8220
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8280
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8340
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8400
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8460
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8520
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8580
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8640
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8700
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8760
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8820
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8880
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    8940
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    9000
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    9060
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    9120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    9180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    9240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    9300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    9360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnntcac    9420
gcctataatc ccagcacttt gggagtctga ggcggcgga tcaccagagg tcaggagttc    9480
aagaccagcc tgaccaacat ggtgaaaccc catctctact aaaaatacaa aaattagcca    9540
ggcatggtgg cacacgcctg tagtcccagc tacttgggag gctgaggcag gagaattgct    9600
tgaacctgag aggcagaggt ttcagtgagc caagactgca ctactgcact ccagcctgag    9660
gaacagagcg agactctgtc tcaaaaaaaa aaaaaaaaaa aaagaatgta agtaatttgc    9720
ccaagctgca gagctaaatt ttaaactaga taattctgat tccaaagccc agataatctg    9780
gctagaagtt gcaccagggg attcactgat ttacaaagaa ttagaatgtg ataaaattcc    9840
ctgagtacag gcaagtgtga tttttatctt tgctagtaaa gccatttaga tgtcttaaag    9900
tgcctcaatc tgttgcacct gttctactaa aacaaagaaa tgagtcaacg gcctctttta    9960
gctttaacat tctctctgtc tatacatttt tatagaataa ttttagtta ttgcagcagg   10020
tttcaccagt cagccaacgg gtgtgtataa cattaatcac tagcactaca cctcagaagt   10080
cttgcttatt aagagcactc agcttaagtg aagaaattaa agaattttgg taggcctttg   10140
ggacagttca agtttaggtt gtttggctgg gttgagagag taaaaaacta acatttctta   10200
acctaaccct ttttctttct ttctcacagg taacaactat ccaatagctt acctttaaaa   10260
tgtcccctct attgttcctc cctcagacat ttttgatcac ttgtcccagt ttccatgagt   10320
cctgtatcac agctgtcaca atgcttgagc tatttaggtg gaggtaactt tcagaaatga   10380
actgctgaag ggtgcagagt gctcaagaat tagattaaca aagaaagtac acctaaattt   10440
agcattaaaa tgaactttta aaatattttt caataggagg ataagcaaac ataaaaatgg   10500
gtgtgcttat gtctataaac aggtgctgga gcatagattg ttatctggac atcaaagaat   10560
aatagagctg tagctttaaa agagcacaca gctggttatt agtgattcac tcccaggtca   10620
ctgccaagtg ccaaggcatg tggcaagaat agtagaatgg aaatcaggtg atgtggattc   10680
taatttgagc tctgctctgt taaccttggg catgccagtt atcccctttg gaccttagtc   10740
tcttatctac ctaatgaagg gtttggagca ggtaattctt cagttctaag taagaatctg   10800
tattcatgaa taactgttca gcatatgact cagcccaagg tgtacaggat tgctggagtg   10860
tggaaggtat gttggctcct gcctgtacta gcaacaaggc ttaatctagt gaacagaaag   10920
```

10432

```
gatcaaaggt ggctatatcc ccacctaaat gtccatgatc tacaagtgct cttctagctg   10980
gcagagtggg tcagtaatga gattttgtat ctcattatat gaagttctaa gcactgaacc   11040
taatcagtta cccatcactt aagtagacag tgtcaggcag agcttaactc tccttcctat   11100
tttcctttgt cttccttttc tctgtaagtt ctctaacata aggaacttcc attttggtga   11160
aagaatagaa aagttgaggg acaggccagg tgtgttgtaa gtaagactga tccagctgat   11220
tggtttgcca tttagattgc atggcagaca tctgccataa gcacttaaaa cacaccttca   11280
ataggcatta gaaagcacac acacggccaa acatagtagc tcacacctgt aatgccaata   11340
ctttgtgagg ctgaggcagg aggattgctt gagcccagca gttcaagacc agcctgggca   11400
atatagcaag atgccatctc tacaaaaaat tttaaaatta tctgaatgtg gtagtacatt   11460
cctgtggtct cagctactca ggggtctgag gtcggaagat cacttgagcc caggagatca   11520
aggctgcagt gagccatgac tgtgccattg cactccagcc tttgcgacag agcaagaccc   11580
tgcctcaaaa cacacacact gactagggat ggtggcttat gcccagcact ttaggaggct   11640
gaggcaggca gatcacttga ggtcaggagt ttaagaccag cctggccaac atggtgaaac   11700
cctactctac taaaaataca aaaatcagcc atgcggccag gtgcagtggc tctcgcctgt   11760
aatcccagca ctttgggaag ctaaggcagg aggatcacct gaggtcagga gttcgagacc   11820
agcctgacca acatggtgaa atcctgtctc tactaaaaat acaaaattag ccccgtgtgg   11880
tggcgcctgc ctgtaatccc agctacttgg gaggctgagg caggagaatc acttgaaccc   11940
aggaggcaga ggttacggtg agccgagatc acgccattgc actccagcct gggcaacaag   12000
agcgaaactc catctcaaaa aaaaaaaag aaaagaaaat cagccatgca tggtgacaca   12060
cagttgtaat cccatctacc tgggaggctg aggcaggaga atcgcttgaa cctgggaggc   12120
agaggttgca gtaagccaag attgcaccac tgcactccag cctgggcaac agagtgagac   12180
tgtgtcttga aacacacaca cacacacaca cacacacaca cacacacaca cacacacaca   12240
taatttgctg ttgttttggg ggcatggcgg cacataccta tagtcctagc tacttgggag   12300
gctcaggcag gaggatcact tgaacccagg aagttgaaac tgcagtgagc tgtgattgtg   12360
ccgctgcact ccagcctggg caacagagtg aagtactgtc tcaagaaaat aaaaaaataa   12420
agaaataaaa acataaggtt tagatggcaa ctttaaaatg tgaaaggagg atatacagtt   12480
tttcaaaatt cttctaggag ctatgccagc aaaaaggttt gaagacctga agaccattat   12540
atcagtggca taaacatctt taatttgtcc ttttccttct cctacaccta gtcaattgat   12600
ttttttttttc ccatttatca atttcagact ctgcctggtt tttcactttc ccatccattt   12660
tgttacaata tttttcctcc cttgaaatta gcccagtctc ttggagtgaa tgccccatgc   12720
tccttcctac cgctgtgtct ttactacatt atcctccctt ggaatgccgt catctcttct   12780
ctgttcaaga actacttctc ccgaccactg tggtcgagat tgatttctct ttaacctcta   12840
caacattggc tattccatac agttagccct tagcatagaa catcattgtt tgattttgct   12900
ccttaagaat agaaagcacc tcttaaaatt ctaccatatt cccccaatgc ctaatgcaat   12960
gctaaccaca tagtgagtgc ttaataaata ttgtattgac tgcctagagt acagagcact   13020
tgttcactca ttgttcggcc attcagctaa tactttttga gaaattttgt gtaccaggaa   13080
ctgtactatg cactggggta cggtagggac taaagtagat gataatccct gctttgaaag   13140
actgaaaagt aagatatatg gtatgtcaaa aggtaataag tactgagaag aaaaatagaa   13200
aaagcaggaa agaagaacaa gaagtgtgtg atgggggagg gttacagggt ggggaggggt   13260
agtgttgtat acacttctag ataagatagg gaagtcctca ctgatactta tggtgacatt   13320
ttacaaagga cctgaggtgt aggaaggatt tgagcttatc tgtgcaaaga gccttccagg   13380
caaggaactt accatgtgaa ggcaccaagg ctggacctgc ttaacattcc aggaagggaa   13440
agctttgggg ctggagcaga agggtagagg ccagattgag agatgagtca gaggacagtg   13500
gggcccgggc agagggacag aacctgcggg tgctggcaat cagccttttg atctgagtga   13560
gaatagaggc cttgagaggg ctttgagcag aggagtgacc tgctgactta agttgaatag   13620
aaccctctag atgcttcatt aaggctagac tgaagggagg caaaggcagg gtgagatcag   13680
tcaggaggca agtatataat gataatacat tgaatataat aatgatatat taataataat   13740
aatccagaga tagtggcaac tcagaccagg ggaagcagta gaggcggaga gaagtggtca   13800
gattttggat ttattttgaa ggtagaacag acaggattgc tgactctgtt gagtagtcag   13860
ctgggagcta ttgatggttt ctgagcagga gctgaaggaa gattaccccg gtataggact   13920
gctgggaaga cgtggtgcag gcagagatca ggtaggaggc cattgcaagg atttaagggt   13980
gagatccata agggttttaa ctgcaaatca gcagaggaaa aagggagtgg tgatggtcat   14040
ggtgacagtg atggtgagag agactggaaa ggaggaatca acaggatttc atgactagat   14100
aacagagaac caatatgaag aaggaaaaca cttttttttt ttttttgaga cggagtctgg   14160
ctctgttgcc caggctggag tacagtgaga cgatctcagc tcactgcaac ctccgcctcc   14220
tgggttcaag cgattctcct gcctcagcct cctgagtagc tgggattaca ggcatgcacc   14280
accacgcccg gctaattttt gtattttag tagagatggg gtttcaccat gttggtcagg   14340
ctggtcttga actcttgacc tggtgatccg cctgccttgg cctcccaaag tgctgggatt   14400
acagacgtgg agccaccatg ccctggcagg aaaacacact tttgaatgtt gtgtgacctg   14460
gagaatggta acactgttaa tttaaaaaaa aaaaaaaagc ccagagaagg ctgatttagg   14520
gagaaattta tgccttagtt atacagagtt tgagatggta atgaaatatc aaattaaaac   14580
```

                                    10433

```
tgtccagcaa ggaagtagga aatgtggaac tgaaaaagaa gttagaacta aagatgtgga   14640
tctgtctttg gcataaagat tatattaagt tacttgagag tagatgagtt tccaaagaag   14700
cagtgtagca agaatagtgg agggccaaga ctggatcctg ggggtcagca acatctagga   14760
gccagaaaaa atgccttcgg tgaaagaaac ggaaagatgg gtctattcaa attgtagtca   14820
gccaacccat gccagaagta agcacagaaa gtaagagtga acattggcca agcacagtgg   14880
ctgatgcctg taatcccaac actttgggag gccaaggcgg gcagattgct tgagctcagg   14940
agttcgagac cagcctgagc aacatggtga aactccaact ctacaagaaa ttagccggtc   15000
ctgtgcacac ctgtagtccc agctgctagg gaggctcagg tgggaggatc acttgaacct   15060
agaaagttga ggctgcagtg agctgtgagc atgccactgc actccagcgt gggcaacagc   15120
ccggtggctc acgcctgtaa tcccagcact ttgggacgcc aaggcaggtc gatcacttga   15180
ggtcaggagt tcgagactag cctggccaac atggagaaac cccatctcta ctgaaaatac   15240
aaaaattagc tgggcatggt ggtgcacacc tgtaatccca gctactcggg aggctgagac   15300
aggagaatca cttgaacctg ggaagcggag gttgccgtga gccaagatca tgccactgca   15360
cttcagcctg gacaacacag agagactctg tcccaaaggg aaaaaaaaga aaagatcca    15420
ggagatccat tcctaggtat atacccaaga gaattgaaaa cataaaaaca tatgttcaca   15480
caaaaacttg tacatgggct catacctgta attgcagcac tctgggaggc caaagcagga   15540
ggatcatttg aggccaggag ttcaagaccg gcctaggcaa catagtgaga ccctgtctct   15600
acaaaatgca tgaatgtttg tagcagcatt cttcataatg ttcctaaagt ggaaacaacc   15660
cagttgtttg tcagctgatg aatgggtaga ttatatgcag agtatccagg ctgggcgtag   15720
tggctcatgc ctgcaatcct agcactttgg gaagctgagg tggacagatc atttgagctc   15780
aggaattcaa gaccagcctg agcaacatag tgagaccttg tctataaaaa attttttaaat  15840
gttaaaaaaa agaatgcaga gtatccatac aacgggatat tattcagcca taaacaggaa   15900
tgaagtactg atacatgcta caacatggat gaaccttgaa aacatgctaa gtgaaataag   15960
ccagacacaa aggtctacac attgcctgac gccatttata tgaaacacct agaataggcc   16020
aatctataga gacataaagt agatgaatgg ttgccaggct ctgggagtta agagagaatg   16080
ggaaatgact gccaacatgt atggggtttc tacttgaggt gatgaagata ttctgaaatt   16140
agatagatag tggggatggc tgcacaacct tttttttttt tctttttgag atggagtctc   16200
gctctgttgc caggctggag tgcagtggcg caatctcagc tcactgcaat ctctgcctcc   16260
tgggttcaag caattctcct ccctcagcct cctgagtagc tgggactaca ggcaggcacc   16320
accacgccca gctaattttt tgttagtaga gacagggttt caccatgttg gccaggatgg   16380
tcttgatctc ctgacctcgt gatctgccct cctccggctc ccaaagtgct gggattacag   16440
gcataagcca ccatgcccgg cgacaacctt ttgaatatac taaaaaacat tacattttac   16500
actttgaagg gtgaatttta tggtaaatta tatctcagta gaaaaaaatc caggaaactg   16560
tgtatagtca gccctccata tttgtgggtt ccacattcat ggattctaag ctaaataata   16620
atacaataat aaaaatataa ataaaaaaca atatgctata tagcagctat ttgcattgca   16680
tttacattat attaggtatt atgagtaatc cagagatgat ttaaagtgta tgtgaagatg   16740
tgcataggtt acatgcaata ctacaccata ttatataagg gacttgagca tctgtggtgt   16800
ctgctgcgag tactagaacc aatccttcat ggacaccaag agataactgt attcaaaacc   16860
aatgaaacca gtgaaagaga agtttcaaaa agattgaaaa cacagcaggg cagtcaagga   16920
aaccagggag aaaggaaaga ctagtggatt tgggtattag aagatgaaag attaaaacaa   16980
atcattccat atcagcatgc agtccataga ctactcctaa aagttcctga gacttcttta   17040
aggaatctct ttggggtaaa aattattttc atgatactac taagatgtat ttgtcttttc   17100
cctatgttga cacttgcact gatgttgcaa aatggtggta aaactgctgg cgccttagca   17160
caaatcagga cggtgacacc aaactgtacc agtggtcact gcattcttta ctgccatgca   17220
ctcacaatca aaacagagcc agtttcactt aagaatcgtt gatgaagtgg taaatttttt   17280
ttgttttttt ttttgaggc agggtcttac ccaggctaga gtgcggtggg ggcatcacag   17340
ctcactgccg cctcaacttc ctgggctcag gtgatgctac ctcagcctcc tgagtagctg   17400
aggctacagg tgtgcaccac cacacctggc taattttgt ttttgttttg ttttgttttg   17460
tttttagaga tggggtttca ctctgtcgcc caggctaaat attgttaatt gtatcaaatg   17520
tcagtccttg aataaatctt ttttttttaa ctggtatgca ccaccacacc cagctaattt   17580
ttgtatttttt agtagagacg gggtttcgcc atgttggcca ggctggtctg gaactcctga   17640
cctaaagtga tctacccgtc ttggcctccc agagtgctgg gaggtgtggg ccaccatgcc   17700
tgatcctgag tacatctttt taaacttgtt tgaagaaatg ggaaatatgc ataaaccgcc   17760
tctgctgcac actggtagag tacggtggtt gtcacaagga aaagcatttg ggcgattatt   17820
caagttgcat attgatttag cagcttcttt tttcaccgac caccattttt acttgaaaga   17880
atgatagaca aactatggtt ttagacttag gcatctggca gacagtctct tgaaactgta   17940
tgaagtgagc ctgtcacttc aaggtaaaca aatgacaata tttgtagcca gtgataaaat   18000
ttacactttc aagtaaaaat tagaattttg gaaaacttgt atccactccc atgagcttga   18060
ccacttttca atatatacag actttctgc tgaaatcaat ggtgaaattt aaggaatatg    18120
attttttgat atgtattcta atgaaatatg tcagtatttta gaagatctgc ctaacaacag   18180
ggaaccagta ttttgcagtg atctatgtgt gatgttacaa agtcatgcat ggtaaaatat   18240
```

10434

```
ccattcaaag tgcaagagaa gccaatgggt tttattataa caaaagttcc taactgttaa  18300
gaaactacta cttgtcaagt tttgatgtag cgctaaagaa tatccaaaat tatctgaaaa  18360
tgcagatact ttctctgtct gtgtaaagcc agattttctt tgtatatttt aaccaaacta  18420
acatattaca acagattaaa tgcagaagca gatttgagaa tccagtcatc ttctattaag  18480
tcagacagag gccataaatt tatgaaaatg taaaacagtg gcattcttct cattagatgg  18540
ctttatttct ttgattgttt tgggaaatat agtggtttac atttaaagta tgttatttat  18600
attaatataa tgtgtagtag ttttactgtt aatatttta ctgaattaat catatctttt  18660
acttttttt tagtttattt ttcttccttt ttttttttt tttgatttgg agtctcgctc  18720
tgttgcctag tctggagcac agtggcgtga tctcagctca ctacaacccc cacctcctgg  18780
gttcaagcga ttctcctgcc tcagcctccc aagtagctgg gatcacaggc gcctgccacc  18840
atgtctggct ggttttttgta tttttagtag ggtttcacca tgttggccag gatggtctca  18900
aactcctgac ctcaagtgat ccacccacct cggcctccca aagcattggg attacaggag  18960
tgagccacca cacccagttt ttagtcttat tttctaacac agtagacatt gatatatagt  19020
tcccacatta acaaaagttg tttgggggtgc tcaatttatt tatttatta tttatttatt  19080
tatttattta ttttatttta atttctttt tgaggcggag tctcactgtg tcgcccaggc  19140
tggagtgcag tggcacaatc tcggctcact gcaagctctg cctcccaggt tcacaccatt  19200
ctcctgcctc agcctcccga gtagctgggg ctacaggtgc ccgccaccac acccggctaa  19260
ttttttgtat ttttagtaga cagagggttt caccatgtta accaggatgg tctcgatctc  19320
ctgacctcgt gatccgcccg cctcagcctc ccgaagtgct gggattacag gcatgagcca  19380
ccgtgccccg cttatatttt ttttattttt atttatttat ttatttattt ttgagacagg  19440
gtctcaaaaa aaacaacttt gttgcccagg ctggagtgca gtggcatcat cgtagctcat  19500
tgtagcttct gtctccccag actcaggtga tcctcctgcc tcagcctctc aagtagctgg  19560
gactacaggc acgcaccacc caccccaccc aactattttt tttattttt gtagagacag  19620
agtcttgcta tgttgcccag gctggtctca aactcctggg ttccagtgat tctcccgtct  19680
cagcctccca aagcactggg attacaggtg tgagccacca ctcccagcca aatttaccag  19740
acttaatgga aacagtccat ttctgtttct tcagatgaaa cctcacaact ttaggattaa  19800
taagtaatct cacaactatt gtacaggaaa taagaaaacg ttcccgctaa caatgcacgt  19860
tgtgatagat ctggtccctg acacaaacag cacttggaac tgagtgaagt ccagagactg  19920
aataatacag ttctatccac tccctgtgct tgactacaac ccctgaagag ggcttgtaca  19980
aattaaatgt atcccagcag ctgcttgaaa gaccacagca ttggccgggc acggtgactc  20040
acgcttgtaa tcccagcact ttgggaggcc gaggcgggcg gatcacgagg tcaggagatc  20100
gagaccacgg tgaaaccctg tctctactaa aaatacaaaa aattagctgg gcgtgatggc  20160
gggcgcctgt agtcccagct actcggagag gctgaggcag gagaatggcg tgaacccggg  20220
aggcggagct tgcagtgagc cgagattgca ccactgcact ccagcctggg cgacagagac  20280
tctgtctcaa aaaaaaaaa aaaaacacg cattttgaat gtccctagca ttagggatta  20340
taaaggtccc attctagtag aagatcctca ggtttggagt gtactaaagg tcatcatcct  20400
tcgcctgcta ataaatttct gaagtccctg ctttaaacaa acaatcaaaa agaaggaaca  20460
gttacagtgc tgccaaacaa gttctttttt ttttttgag atggagtttc gctcttgttg  20520
ccaggctgga gtgcaatggc gtgatctcgg ctcaccacaa cctccacctc ccaggttcaa  20580
gcaattctgc ctcagcctcc cgagtagctg ggattacagg catgcactac cacgcccagc  20640
taatttgta tttttttag tagagacagg gtttctccat gttgaggcta gtctcaaact  20700
cctgacctca ggtgatccgc ctgcctcggc ctcccaagt gctgggatta caggcgtgag  20760
ccacggcgcc cggccaacaa gttcttacaa acctctgggt tgttacaaac ccatctggtg  20820
ctaataaagg taaggcatca accccaatct ccaagctgag aattttatcc tcaggactga  20880
gcactgcggc ctgcattcgg atgttagtgg ggctgtcaga accgtgtctc atgctgttaa  20940
aagtggaagt ccttcccact cagacccacg gaagccaact ctgatgagtg ggagggtgag  21000
cagaagggc ttcggtcatt tttatagat tcttcaggta actctagcca ccatattaag  21060
cattggctcc cacaaaaaag cattaaggct cagaaacatc ttgtagggtc acaccctccc  21120
taaaaacagc acatccctga agtggtggct gggcagccag gctccaaagc ccgctgagct  21180
gagcggcagc caagaacaag gtttggtgtt tacatactca aaatcagcct gggttgtcac  21240
agcaactcac ctcagcacag ttcttccttc tccacggcgg cttgcttcca ggctttgctg  21300
ttctccgtca ccgtcttaac gttcctgcta acctggcctg ctgcattctt tttatttttc  21360
tcccaattcc tccgccttct tctcatgtgt ttgctagtgt gcaatacctc acctgtttgg  21420
aactcaacaa cgtcccctcc tgcaaaacgc acctgaaaac aagaaatagc acacaaggcc  21480
tctaagtggc cagaacagat gttaccaggc ctaagtccat aaggaaagca cccaagcccc  21540
ttgcttttgt cttaaatctt tttttttta cacctttaaa ataaggttat ggtttctaag  21600
gcctgccgta aattaggagt agggagagga actattgcca agcaccccaa aagttcaaga  21660
ggtgactgtt gatcccagag tagcaaggaa agggacagac aggctataag aagtggacac  21720
aagaactcag aactcaggac agtgtaggcc ttgttagagt caggcagaca atttcacata  21780
cctcagaacg tcataaagcc atcatgactt tactctggaa tagatacgat ccagacacct  21840
agaaaatgtt aaattagatt caacttaaag aggcagagta atatgtgtgg tgttttttaa  21900
```

10435

```
tttcgagcat tccaaatggt taagggtttt catgcttaaa gagagaaact tagctaccta  21960
gaacttattt atgagtgctc tagataatta tctactgttt tatatttttt tatttatacc  22020
ccgttactaa aacaaaagta aaaataaagc aaaagattga aggcattgac atttagtcta  22080
tatactttct agttcctggc tctagttctt agcaatattt gctgctaacc tggtgttctg  22140
tctctgccaa atttctgccc atgtgaaata tatgagactt gatcctattt ccttgctcat  22200
tgatctacct gaaagggtca tagatgtctc cacctcccta gagctagtga tcctatatcc  22260
catcatctca gccagctaga aaacgaacca tcacatgcca cctcctaccc aattacgtgc  22320
ttcataaaca gaatacctgg catatagcag gcatttacta aacacttggt gaatgaatac  22380
atgagccagt aatccataag atatctgtag aattaattac agttgagcct tgaacagcgc  22440
aggtcctatg ggatcccacc ccttgtacag tcaaaaatcc tcataaaact ttttttttctt  22500
tttttttttga dacagaatct tgctcgttgc ccaagctgga gtgcaatggc gtgatctcag  22560
ctcactgcca cctccgcctc ctgggttcaa gcaattctcc tgcctcagct tcccaagtag  22620
gtgggattac aggtgcctgc accacgccta actaatttt gtattttag tagagatggg  22680
gtttcaccat gttggccagg ctcgtctcaa actcctgatc tcaggcgacc cacccgccta  22740
agcctcccaa agtaggggat tacaggtgtg agctgccgca cccggccgac aggtgtaact  22800
tttttttttt tttttttttt ttttgagaca gagtctcact ctgtcaccag gctggagtgc  22860
agtggctctc tctgctcact gcaatctctg ctcactgcaa cctctgcctc ccaggttcaa  22920
gcgattcccc tgcctcagcc tcctgagtag ctgggactac aggtgtgtgc caccatgccc  22980
agctaatttt ttgtatttta gtagagacgg aatttcacca tgttagccag gatggtctcg  23040
atttcctgac ctcgtgatcc acctgcttca gcctcccaaa gtgctgagat tacaggcatg  23100
agccaccaca cccggccaca tataactttt gactctccaa aaacttaact actaatagaa  23160
gacttaccaa tagcataaac aagttgatta acatatattt tgtatgtcat ttgtgttata  23220
tatgtatttc ttaccataaa gtaaactata gaaagaaaa tgttattaag agaatcataa  23280
gcaagaaaaa atatgtttac tcttcattca gtggaagtgg atcagcataa aggtcttcct  23340
cctcatgatc ttcaggttga gcaggcaagg aggaggagaa agagaaaggg ttgccatctc  23400
agcagtggca gaggcagagg gaagtctaag gggacccttg ctgttcaaaa ttgtgttgat  23460
caagggtcaa ctatacttgc atgaagctat aaatttaaga gcctagccta ttatgggaac  23520
agcaattaaa aaaaaaaaca ccagttggcc gggcgtggtg gctcacgcct gtaatcctag  23580
cactttggga ggccaaggca ggtggatcac ctgaggtcag gagttcgaga ccagcctggc  23640
caacatggtg aaataccgtc tctactaaaa atacaaaat tcactgggca tggtggcggg  23700
cacctgtaat cccagctact tgggaggctg aagcaggaga atcgcttgaa cctaggggcc  23760
ggaggttgca gtgagctgcc aagatcgtgc cattgcactc tccagcctgg gtaaaaacag  23820
ctaaactcca tctcaaaaaa aaaaaaaaac accagttgat cctggcacca ggaagatcaa  23880
atggcatttg tttgtttgtt tgttttgaga cagagtctcg ctctgttgcc caagctggag  23940
tgcaatggca cgatctcagc tcactgcaaa ctctgcctcc caggttcaag tgattctcct  24000
gcctcagcct cccgagtagc tgggattaca ggcacccgcc accacaccca gctaattttt  24060
tatatttttg gtagagatgg ggtttcacca tgttggccag tatggtctca aactccggat  24120
ctcaagtgat ccacccacct cagcctccca aagtgccttg gtttacaggc gtgagccact  24180
gcaccagcca gtacagtttt ttgttttgtt ttattttggt tttttgagac ggaatctcgc  24240
tctgtcgccc aggctggagt gcagtggtgc catctcagct cactgcaagc tccgcctccc  24300
gtgttcatgc cattctcctg cctcagcctc cctagtagct gggactatag gcgccgcca  24360
ccacacccgg ctaattttt ttttgtatt tttagtagag acggggtttc accgtgttag  24420
ccaggatagt ctcgatctcc tgtcctcatg atccgcccgt ctcagcctcc catagtgctg  24480
ggattacagg catgagccac cgcgcccagc ctttttttt tttttttttt taatgtatgg  24540
gggaaaaatg actagaagga cagaaaccaa catataacat gattgtgtgc atttacttat  24600
ttaacaaata attgagcaat ttatttctgt atgatactat tctaagcgtt ttagagttaa  24660
gcaaactcac agtaaactgt attgcccatg ataaaaactg cagttacata atttaaaagc  24720
aagaatcgca gcaattcatc aggcacagtg actcacgcct gtaatcccaa cactttggga  24780
ggccaaggca ggaagattcc ttgagcccag gaggtcaagg ccagcctggg caacatagtg  24840
agaactcatg tccacaaaaa ttacaaaata gccaggcatg gtggcaagca cctgtggtcc  24900
cagctactca agaggctgaa gttggaggat cacttgagcc caggaggtca aggctgcagt  24960
gagcgatgat cgtgccactg cactccagcc tgggtgacag agcaagagac cctgtctcaa  25020
aataaataaa aataaaagca agaattgcag aaagtataaa ccatgaccaa ctcaagagaa  25080
taatcaatga aagaataggc agaatgtctt tccaaaaagc agttgagaga tccccatcct  25140
ccacatatgc actagtgcag tggggatgtt gccaggcatg gccgccagac tctagatag  25200
aacactgaag gtgagtctgc agtaaagcca tggaatgtgc taattttagt ttaggaatac  25260
caaattttat tgaccgtttt taattcaata agcaaccctt ggccatgtat aatcagttca  25320
tgacccatca gaagatcctc tgtggttcac tcatggcctt tggactatac tctgaatcat  25380
ggctttagaa gacattttt tagtatactt aaatggattt tataacttgg ttgatgccca  25440
gattacagac tgtgaggagt atctccacat aacttgtaac tgctatatat gcagtcagca  25500
attccagtat ttagcctgat attaatttat attttcctc ataatctgat aatacagtgc  25560
```

10436

```
tagcaagata gatcacaaag tgtaaatgag tgtttctgga gcatagatgg gtacgctcaa    25620
atctttgtat cttgttttt aatagagacg gggtttcgct atgttgctca ggctggtgtc    25680
gaactcctcg gctcaagcaa tcccccttgcc tcagcctccc agagtgctgg gattatacat    25740
gggagccacc atgcctagct tccttgtatc atttttttaaa attcaagtaa gagaaaatgt    25800
ctggcaatag ttcataagct ataaatgaaa cctagtctta ggacccagct ttatattgcc    25860
tcaatcaaat attaatatct ttagttcaaa atttgtattt acaaaaaact tttggttctt    25920
ggggataccg ttattgcctt ctctgttgcc atccatataa tgtatgttgt ttttttttc    25980
tctctccctc tgggctgcgt ttcatgccag ataaacttcc aaaccaaact gggatggcac    26040
caggcacaaa taacactctt cttatctttt cccccatcta ggttacccct ttgctttgtt    26100
ttatcggcat tacctttct acaaggagac ctacctcatc cacctcttcc atacctttac    26160
aggcctctca attgcttatt ttaactttgg tgagtaaact aaattagcag tgacaccgca    26220
attagtggga acctggaagg aacagacttg aacaaaattt ccttgagaga atctaatagg    26280
tagggaagtt ataatgctcc cacttgcaaa gagggttgta tgaagaggaa cacagcttaa    26340
ctttttccttt ttttctttta tgtacattct tctgtcagat aaaaacattt tgagggtggt    26400
tacccttgcc atacctcatc aacaaagaat cctcagtttc tctgtgctgt ggatgtaact    26460
gaatgaccga gccaagcagt ccccacttag attcattctt cacttcagac attcaaaaat    26520
acagtaacaa gctgggtgtg gtagcccgga attcaaggct gcagtgagct atgattgagc    26580
tactgcactc aagtctggac aacagagcaa gtcgcatctc taaaaaaaca aacaaaaaaa    26640
gaaaagaaat aaaataacac cctaataatc ttttttattt taataaataa tttccatcct    26700
ctcctccaaa acatgaggtt attctgaaaa aaaagatcct gatgccaaca tttttttctt    26760
atatattacg ttgtgattgg aagtctcagg acggtgggag tgtaaaaacc aggctaaatt    26820
ctctcttctt gcatccagga aaccagctct accactccct gctgtgtatt gtgcttcagt    26880
tcctcatcct tcgactaatg ggccgcacca tcactgccgt cctcactacc ttttgcttcc    26940
agatggtaaa cgtctttccc ttagcagctc aggctacagc tgacagcggt tcaggggaca    27000
ggggtaggca ggggactgtg gtatagaaat tagcagacct aatttctaac ccctctccca    27060
gcacttagca gtatgacttc aggtaggtgg cttatcacag gcccaagtgt tccatccaca    27120
gattgtaatg gtaactcttt gcctgcctca aggaagggcc accagctaac cctttgcata    27180
ctgtgccatt aggctctttg gtttaaccca ctatccagga gcagagtcac ttcaaggcaa    27240
gacagaaaag caacttagaa tgagttaaag aacctaagcc taggccaggc aaagtggctc    27300
acacctgtaa tcccagcacc ttgggaggcc aaggcagtca gattgcttga gcccaggagt    27360
ttgagactaa cccgggcaac atggtgaaac cccatctcta caaaaaaat acaaaaatta    27420
gccctccagc ctgggcaaca tggtgaaaca aaaaaaatta aaattagcc gggtggggtg    27480
gcatgcacct gtggtcccag catctaaatt ctcatctcag tttagccctc attttgccaa    27540
gaagccttga gcaacgctct tcccattaca ggttttcagc acctccattt gtaggaattt    27600
attaaggctt ttaatgatgg gatgaggaga aaggaaaaag gaaagagaac attgaatttc    27660
agagcaagga gaagaaatag tagtgatgct agaataaata cttctgcctc tcctaggcct    27720
accttctggc tggatactat tacactgcca ccggcaacta cgatatcaag tggacaatgc    27780
cacattgtgt tctgactttg aagctgattg gtgagtgatg gtcactgcct gccttcctta    27840
catgtaggtc cctccccccat ctcactaaaa acttcctcgg cacccccct ccgcccccg    27900
ccatacactt ctggctgcac tcagtctaca ggccacatcc tcagtgtcct ctcccaccac    27960
cctacccatc cgttctctct ctgctcaggt ttggctgttg actactttga cggagggaaa    28020
gatcaggtaa gtacccattc atcggcagag aggttcaaga cttaatgaaa gggaagaaaa    28080
aagttgttaa caaaagactg aacccaaatt ccagagcgga gcctctccct cattccccag    28140
cctgtgcaat ctcccttca gatagcactg agcaaggatc aacaaatcta atttgcccag    28200
gatccagctc ttgcacaaag tccagagatc aatgccagca aggcatttgc taaagcagca    28260
acagccagct atgcacacac atacgcattt ccacaagaag caactatttg tcatccccca    28320
aagagaaggc tatttgaaga accccagtca gtggggcaca caggtgggga acactcaaag    28380
tggctcttgt ggggagattc aaggctatcc tgaaccatgc attctcttct tggcatagaa    28440
ttccttgtcc tctgagcaac agaaatatgc catacgtggt gttccttccc tgctggaagt    28500
tgctggtttc tcctacttct atggggcctt cttggtaggg ccccagttct caatgaatca    28560
ctacatgaag ctggtgcagg gagagctgat tgacatacca ggaaagatac caaacaggta    28620
attgcccctc ttggtccaga tgtttgtgta ggtatttcac tcactctgaa gtgactcttc    28680
tgaaagctgc attctccagc atgaccctgg catagagacc tgagtcatgc aggccctgga    28740
ctgttgtaac aggcactctg tgccaggagt gggccctttt tagtttaggg ttcttccagt    28800
tatccattct aacactagta caaacataaa aatccacatt tatgccacag gattttgcct    28860
gaaccagtca catttctgcc tttaaagcct attttcatgt atatatgaaa tatatttatg    28920
attgataggt aggtaggcag gttgataggt aggtaggtag atagaggctg ggcacagtgg    28980
tttcacctct ataatcccag cactttggga ggccgaggtg ggaggatcac ttgagcccgt    29040
gagttctaga ccagcctggc aacatagaga gactctgtct ctacaaaaaa atacaaaaat    29100
tatcagacat agtggcatgc atctgtagtc caagctacat aggaggctga agtgggagaa    29160
ttgcttgagt ccaggggagg tgggtcaagg ctgcagtgag ctttgatcac accactgcac    29220
```

10437

```
tccattctgg gcaacatagc aaaatcctgt ctcaaaaata tttatcagta ggaaatgcag    29280
gagggcacag tggctcatgc ctgtaatgcc aacgctctgg gaggccaagg caggaggatc    29340
actggaggcc aggagttcaa gaccagcctg ggcaacatag tgagacccca tctctacaaa    29400
aaaaaattat ccaggcaagg tggtacatgc ctatagtccc agctactcag gtggccaagg    29460
caaggggatc gcttgagccc aggagttcaa ggccacagcg agcaatgact atgcctctgt    29520
actctagccg gagtggcaga gcaaggccct gactctagaa aataaaaatt aaaatggtaa    29580
aaaaaaaaaa aaaaaaaaag tttaattgcc agaagaattc cttcactgag aacttgtcca    29640
tcctgtgttt cagcatcaat tcaaccaaga aatgaaggag cagattcaaa gtggttattt    29700
ttattatctt acctccactg ggttttcagt cccaatggag attgtgagac ctggcaagac    29760
cttgagatca gtagcatccc tgaggggtaa acacaagact ggtccactgt ctgctgccct    29820
gactttccta caactcttaa gaggtttgca gtccccattc ctcatagcca gccatagaaa    29880
tctttccctg aaacaggaaa cactttgggc agcagagctt ctcatcccat tccaggtaga    29940
caaccacacc cctaaacact cctctccata actgaaggtc agagggtgaa gggaatagtc    30000
tctgctctct gtgaccagga acttcactcg ttcctttcca gcatcattcc tgctctcaag    30060
cgcctgagtc tgggcctttt ctacctagtg ggctacacac tgctcagccc ccacatcaca    30120
gaagactatc tcctcactga agactatgac gtgagtgtct actaaagcag cagcagcatg    30180
actgcaccag agctagaaaa tggacaggca aggatcccta cagatagcag agaagtagga    30240
aatatcatct acaagtgcat gttggttttg ctctagatct gtgagttgtc aatgccagcc    30300
gtgctgggac atgttcatca gccagcactg aacaaccttc gcgggcacag ggctgtgcca    30360
ggtgcacatt tagcacccgt tgccttctct aggagccgct cctagcttgc cttatcacat    30420
ccacgtgacc cctcagagca cagcagcttc tgattctcca tcctattttc ttctcttgac    30480
tgatacattt gggcacttct agggaattca gaaaccaagg gaaggggggga agtgctggct    30540
tttgctcctg cccagctgaa aggcttgaaa acagttcagt aattctgggc aggtttctct    30600
ccttaaatta aaatccaata tgggcccctc tgtacttaac attccaaatg ctcattccaa    30660
acactttgcc aacgaaggca aacagtagag aagttaaata cagtgctgcc cttgaggctc    30720
tccaagggaa aggcgaatga atattctcca ggccctctgc ttattcctct ctgcctattg    30780
tgaaggcaat caggccagac tattgagggc atctggcagc aggactcagg caggtatgaa    30840
gtagccagcc acaagtgtga aaaggaagag tgctgagaga aactgcctag tcatgtgata    30900
tccctaatgc actgtgcttt cttccctcaa gaaccacccc ttctggttcc gctgcatgta    30960
catgctgatc tggggcaagt ttgtgctgta caaatatgtc acctgttggc tggtcacagt    31020
aagtagaaaa gttgaaacaa ggtcctattt agacaagcca tggggggccag tatggggagt    31080
ggcaagagcc ctaactgagc tattccctct caggaaggag tatgcatttt gacgggcctg    31140
ggcttcaatg gctttgaaga aaagggcaag gcaaagtggg atgcctgtgc caacatgaag    31200
gtgtggctct ttgaaacaaa cccccgcttc actggcacca ttgcctcatt caacatcaac    31260
accaacgcct gggtggcccg gtgagctgct ggtggggagc ctggaccctg gttccttcct    31320
tccactgtct tcccagattg gagggcaggg gtgtaccatg tcacccctat gcgtctttcc    31380
catctgggca gaaccccctg tcgctcacac tgactttgac ccccacctat accccctcc    31440
caaaaaaacc attactgtca tatttgaaaa aaaggcaaga tataaaagtg cgttaagacc    31500
tgggtgttac tccagctctg ccaatggact tatgtcctcc actgccctgt ttatcaacag    31560
ctttacttgt ttgtccccac cactagagtg tgggcagctt gagtagagtg tctggttcac    31620
cactgatctc agcatcagcc tcagtcactg ctgctgaacc aagtggctcg tgcgcacacg    31680
gtctccagct ccgccttggg tctgctttcc atctctaaaa gtaatcagtc agcactgcct    31740
cctgtaccct ctgggggcta cacgtgggaa cccaccagca ctccaatcca atcctcaggg    31800
tgaggaccca gaggcaggtg gcgggatgca aggaccagtc agtttgaggg tcgccccacc    31860
cacccttttc tccagctaca tcttcaaacg actcaagttc cttggaaata aagaactctc    31920
tcagggtctc tcgttgctat tcctggccct ctggcacggc ctgcactcag gatacctggt    31980
ctgcttccag atggaattcc tcattgttat tgtggaaaga caggtaggcc tccagggtgg    32040
gggtgaaggg gaatataagg gacaagatgc tgatgagctc ctcctccctc cccaggctgc    32100
caggctcatt caagagagcc ccaccctgag caagctggcc gccattactg tcctccagcc    32160
cttctactat ttggtgcaac agaccatcca ctggctcttc atgggttact ccatgactgc    32220
cttctgcctc ttcacgtggg acaaatggct taaggcaagt gaaggcctgc ttgtgagact    32280
gggagggact cactgcaacc tcaaaggttg caaaggacac tccaggcctg tctaccttag    32340
tggcctctct ctccacaggt gtataaatcc atctatttcc ttggccacat cttcttcctg    32400
agcctactat tcatattgcc ttatattcac aaagcaatgg tgccaaggaa agagaagtta    32460
aagaagatgg aataatccat ttccctggta agttaataca gctaaactaa aactaccacc    32520
aggttacaga atagagcaac agactggaaa aaaacaatag tattagaaat ctggggtgaa    32580
ttccaaggat tagcctggct actaaggaac acagtatggg caatgactac tgtgacttat    32640
tgaggcatgc taggaaacat ctggaagggc tatagaccag gaattacagg agtaactaac    32700
cagccttcca aactcctctt gtcttgcagg tggcctgtgc gggactggtg cagaaactac    32760
tcgtctccct tttcacagca ctcctttgcc ccagagcaga gaatggaaaa gccagggagg    32820
tggaagatcg atgcttccag ctgtgcctct gctgccagcc aagtcttcat ttggggccaa    32880
```

10438

```
aggggaaact ttttttttgga gaaggcgtct tgctttgtca cccacgctgg aatgcagtgg 32940
cgggatctca gctcaccgca acctccacct cctgggttca agtgattttc ctgcctcagc 33000
ctcccaagta gctgggaata caggcacgcc accatgccca gctaattttt gtattttcag 33060
tagaaacggg atttcaccac gttggccagg ctggtctcga actcctgacc gcaagtgatc 33120
cacccgcctc cgcctcccaa agtgctggga ttacaggcgt gagccaccgt gcccggccca 33180
aagggggaaac tcttgtggga ggagcagagg ggctcacatc tcccctctga ttcccccatg 33240
cacattgcct tatctctccc catctagcca ggaatctatt gtgtttttct tctgccaatt 33300
tactatgatt gtgtatgtgc cgctaccacc acccccccca tggggggtg gagagggggtg 33360
caaggccctg cctgctccac tttttctacc ttggaactgt attagataaa atcacttctg 33420
tttgttcagt ttttcaccac tagcattcct gactgctctc tttcacagtt cttctccatc 33480
atcaggggttc tctcctttag cacatgggaa tctgggagct aaagcctgcc ttcaaagcat 33540
ggaaccaaac tgcaaactct gtaacctcct atctgtccct gaagtcccgg ggaacaaaca 33600
gttttacacc actggatact ttaggaaccc caaaacaacc aggtttgcaa gaacagtatt 33660
cataggataa acaaatagca aatgtacagc cttggcttcc ccaaactcca cagtctcagt 33720
gcagaaagat catcttccag cagtcagctc agaccagggt caaaggatgt gacatcaaca 33780
gtttctggtt tcagaacagg ttctactact gtcaaatgac cccccatact tcctcaaagg 33840
ctgtggtaag ttttgcacag gtgagggcag cagaaagggg gtagttactg atggacacca 33900
tcttctctgt atactccaca ctgacctaag aaaagaacag ttttgtcagc caactctgtc 33960
actcagtagc tgtttcagcc cttctttagg gcaggaaaac tatggctgag ctagtatttc 34020
agctgtgctg ttgaatatca aatccctaca aaggatgaag aaggtcctaa ctgtgacttc 34080
caattatggc agcagccctc aaaggatgtg ccctggggca gggtgtggaa ctgtcatgtg 34140
tcttctagct cattgtaagc attgttaaaa tgcctactgc tctgggaatt ctatactaag 34200
ttcagctcta ccaagaattt cagggttgag cccagacctt accttgccat gggcaaaggc 34260
ccctaccaca aaaacaatag gatcactgct gggcaccagc tcacgcacat cactgacaac 34320
cgggatggaa aaagaagtgc caactttcat acatccaact ggaaagtgat ctgatactgg 34380
attcttaatt acctaaagta aaaaagagag aaaagtcagc cccagaaaca ttcccagaac 34440
cagccttcaa ctaacaggtt tcaatacctc accttcaaaa gcttctgggg gccatcagct 34500
gctcgaacac tgagcttgtg taaaagttga actagaaggg ggaaaaaaga gttcagagct 34560
agatggagac cacagtcctt ctgtccagtc atcgaacaag gaaaaccccca tggataagat 34620
gagttccctg tgtgctttat atctagactg gactcctgaa atgttaggaa caaacagttg 34680
ccaagcatat ggctagctgt acagtgatgg gttcagactc cctctttcac tcagccagga 34740
agctactgca agaacaggag tggagtttcc acaaacatag aaaaataata acagtccttg 34800
tcctggtatt aatcatgttg ttctcccatt ttctcgctta aaaatccaca tttagttctc 34860
ccttttcctc ttcctccctt cttccctact gacaagttca ttctaacttt gttctaaggc 34920
ttcttaccca tgaggccaca aaagcggtca aaggttctgg gaattcgggt ctggggattc 34980
acttcaatca gaacattctt ctgtgtatgg atataaacct gtagcaagcc agctcggttc 35040
aggggactat ccatcagcat cagcaaactc tgagcaaagc agaaaccgag acatggttaa 35100
ggctgaagag aggcagcact cagctgccaa cccttccata cagaggctca aagggttgtg 35160
agcactgtcc ctggagttac ctggtgggtg atatctggcc gcgcttcccc agggtcccgt 35220
ccattcttca acaatataga cttgtgcttg tcacagttga gtagctcata tgtcttccct 35280
acctgaagaa cagggaacat gacgagagaa cagcataagc ttctgttacc tagccccgtg 35340
gttcttcaag tgtggtcccc aaactaccag cagcagctgc acctggaaac ttgttaggca 35400
aattctcagg cccacccttag acctactaaa ccaggaacac tgggggtgga gcccagcaag 35460
cccttcgggg gattactgtg cagccttatt tgcactcccc agtgaatggt ctgagaggga 35520
aacaggagga agggcacaac ctgtgacttc acattatcta ctaatacact ggatttaatt 35580
aaaaaacctg tggctgttag gcaaggccaa tgagacatcc tggaactagg caggagttag 35640
tagttagcaa ggctgaatgc tgtgtttatt acaggagcag taagtaggta ctgtgcaaaa 35700
tatcgagtca ccaccctcag tttgcgtaca ccaaacatgc actaagtgaa gagctgcaaa 35760
tctgaacaag aaatgtgaag gccgggcgtg gtggctcacg cctgtaatcc cagcactttg 35820
ggaggccgag gcgggcagat cacaaggtca ggagattgag accatcgtgg ctaacacggt 35880
gaaacccccat ctctactaaa aatataaaaa attagccggg catggtggca ggcgcctgta 35940
gtcccagcta cttgggaggc agaggcagga gaatggcatg aacccaggag gcggagcttg 36000
cagcgccact gcactccagc ccgggcaaca gagcgagact ccatctcaaa aaaaagaaat 36060
gtgaaaacta atgatgcagg aggcagttta atcaaagaaa actctcagaa gtaaaaggaa 36120
gagggttat tcccagtttt aagacgggca tgggggcaga tgcagtggct cacggctgta 36180
atcccagcac tctgggaggc caaggcaggc aaatcactta aggtcaggag ttcaagacca 36240
gcctgggcaa catggcgaaa ccccatctct actaaaaata caaaaattag ctgggcatgg 36300
tggcacatgc ctgtagtcct agctacttgg gaggctaagg tgggaggatg gcttgagccc 36360
aggagacaga gattcagtg agccaagact gtaccactgc actccagcaa gaccctgtct 36420
caaaaaaaag aaaaagaaa gactggcatg agcaaaggta cagatggaat caagacaaag 36480
tagccaggtg tggtggctta tgcctgtgat cccaacactt taggaggccg aggtggaagg 36540
```

10439

```
atcacttgag cccaggaatt tgagaccggc ctgggcaaca cggtgggacc ctgtctcaca   36600
aaaaaaaaaa aaaaaattag ccaggcgcag tgccatttgc tggcagtccc agttactcag   36660
gaggatgagg tgggaggact gcttgagcca gggaagtaga ggctgcagtg aaccatcaca   36720
ccactgcact ctgttgccca ggcaacagag caagacccta tctcaaaaaa gaaacaaaaa   36780
agaaaaagtg gaaacgaaga aaggaaattt tgaggaaaat tgggagctga gacactaaag   36840
ggcagtgatt atatatgaag ctgctttgta aaccacagaa tcctaatgta tcaagcacaa   36900
agccaaaaat aattctggag taagcagggc aggatgggaa tgactgacag acactatcct   36960
aacaactctc tgtacactgg aaaagacatc agaagtttga tgttaaagaa gtggactaca   37020
tctgtagcag ctaaaagaaa taattccaag ttgcaatttg gagtcccaag gagcattagg   37080
gtggtcagta aaaagtctaa aaacaaactg ttatatacaa atacaagttt tggaaggtta   37140
agtttttatg tatcactgga atgtatatgt ctagcaacat tcttgagata tatggctcca   37200
aaaagtctgc gaaaaaaggg atgtagattt tgaaattgaa tagttgaagt aatgtcacag   37260
agagcacaaa gaacaaatga ccaagaacta agtccatgag acacccttag ttatagaaga   37320
aaaaaacctt cttgaatgaa taatacagtt tcaacccatt agtaggatat aatcatgttt   37380
tctattcttt taatagatta caggcgcagg cctgtaatcc cagctactct ggaggctgag   37440
gcaggagaat cgattgaacc cgggaggcgg aggctgcagt gagccaagat cgtgccactg   37500
cactccagcc tggtagagac tgagactcca tctcaaaaaa aaaaaaaaaa aaaagtgtat   37560
ttagaacgaa gattaaaatc ctggcctgac ttctaaacca atgcgatttc ttctgggcct   37620
attcaattag ttctaacggg taagagaaag gaggaggaag aacactgccc aaggctttaa   37680
gatagagaac tgctggttct attacatgtg gggaaagaga tgaatgatag ataaaaatgc   37740
agatgtaaaa gttttaaata ataaccaggt ctggacagtg tatcataggt ggatattaga   37800
gagaggtgac tatggatact aatgaattga aacacgaagc ccttacaaaa agtgtgggca   37860
gactaggcta cataactacg tttctcatct gcccagtaac ttgtcttggg atgtggaatg   37920
acgcaaggaa cgaaactttc ctctgcttag actactatac cacagaatcc tggtaaacca   37980
attggaagca aggaggtgag ggctagaata tcattcaaaa agagcaaaag aaaatgagta   38040
ctaccggccg ggcacagtgg ctcacgcctc taatcccaac actttgggag gccgaggcgg   38100
gcggatcact tgaggtcagg agttcgagac cagcgtggcc aacatggtga acccccatct   38160
gaactaaaaa tacaaaaaaa ttagccgggc gtggtggcac ctgcctgtag tcccagctac   38220
tccagaggct gagtcaggag aactgtttga aggcgggagg cagaagttgc agtgagccga   38280
ggtcgcgcaa ctgcactcca gcctgggcga cagagcgaga ctccgtctca aaaaaaaaaa   38340
aaaaaagaaa gaaaaatgag tactaccatc ccaggatgtc aaatcaacgc aaagccaacc   38400
aagccacctt ccttcaaaag catctttcac ccctctctgc tttctacatc cactctgggc   38460
cccttaccct cattccacgg agtcccaacc tatcgattta ctacttctcc acttcctgtc   38520
ccaaactacc ttgactgtct ccagactggc cccttccagc accacaataa gcctacggcc   38580
tccgatcttg tttcctgccc ctagtcgggg ccgcttgggt ggcagagcat cccagtcctg   38640
tgcctgctcc ccaccgcttc gttcacgagg cttgaatcca tcactgggcg cggccatctt   38700
gcaacaatac cggaagttgc gctaacgctc ttaaataaga acagcgcggc ttctaatcac   38760
aaatttcctt c                                                         38771
```

<210> 11730
<211> 997
<212> DNA
<213> Homo sapiens

<400> 11730

```
gggtaaattc ccagagccct ggcactcccg tggagcactc aggaaacgct ccttcacccc    60
tcaattctgc tctcacacac cccgtcacac atagactcac atacaccaag cagagaggag   120
caaagagaag gaccatgtaa gacaatcacg gacatggcgt tagaaggaaa ctgagaaacg   180
ctctacaaga gttcgatgta ttacattatt tttaatttag atgaaattca cataacacaa   240
aatttaccat tttaaagtgt acgtacactt cagtggcttt tcatatattc acagtgttgt   300
gcaaccacta cccctatcta gttcaaaaat attttcagtt ctcccctcct ccagcatctg   360
ggaagcatcc attccacttc cagctctgtg gctttgcagg ttctagacat ttcatgtaaa   420
tgcagtcata taatatgtgg ctttttgtgt ctggcttttt tcatttagca taatgttttc   480
aaggtttatc catgttgtaa catgtattct tttaaaaaaa attttaatgt gtaaaatata   540
catatcataa catttacctt ttaatcattc ataagtacac aaatcagtgg catgaggtgg   600
tcccttccca atgttgtgct gtcatcacca ctgtctgttt tcagaacttt gtcatcatca   660
tccccaacag aaaccctgta cccattaaac agtaactccc ggccagacgc ggtggctcac   720
gcctgtaatc ccagtaattc cagcactttg ggaggccgag gtgggcggat cacaaggtca   780
ggagatcgag cccatcctgg ccaacacggt gaaaccccgt ctctactaaa aatacaaaaa   840
attagccggg catcgtggcg cacgcctgta gtcccagcta ctcgggaggc tgaggcagga   900
```

```
gaattgcttg aacccaagaa gtggagattg cagtgagcca agatcacgcc actgcactcc      960
aacctgggtg acagagtaag actgtccaaa aaaaaaa                                997


<210> 11731
<211> 5088
<212> DNA
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (7)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (21)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (27)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (33)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (39)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (40)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (43)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (50)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (51)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (59)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (63)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (76)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (77)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (78)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (79)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (80)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (82)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (83)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (84)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (86)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (87)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (88)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (94)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (98)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (99)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (100)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (101)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (105)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (106)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (111)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (112)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (114)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (117)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (124)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (125)
<223> n equals a,t,g, or c


<220>
<221> SITE
<222> (126)
<223> n equals a,t,g, or c


<220>
<221> SITE
<222> (127)
<223> n equals a,t,g, or c


<220>
<221> SITE
<222> (128)
<223> n equals a,t,g, or c


<220>
<221> SITE
<222> (129)
<223> n equals a,t,g, or c


<220>
<221> SITE
<222> (130)
<223> n equals a,t,g, or c


<220>
<221> SITE
<222> (131)
<223> n equals a,t,g, or c


<220>
<221> SITE
<222> (132)
<223> n equals a,t,g, or c


<220>
<221> SITE
<222> (133)
<223> n equals a,t,g, or c


<220>
<221> SITE
<222> (134)
<223> n equals a,t,g, or c


<220>
<221> SITE
<222> (135)
<223> n equals a,t,g, or c


<220>
<221> SITE
<222> (136)
<223> n equals a,t,g, or c


<220>
<221> SITE
```

```
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (138)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (141)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (143)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (144)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (145)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (146)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (149)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (154)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (155)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (156)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (160)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (161)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (162)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (165)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (166)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (173)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (177)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (178)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (181)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (182)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (183)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (184)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (185)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (187)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (189)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (191)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (192)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (193)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (197)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (199)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (200)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (201)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (203)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (207)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (208)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (209)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (210)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (212)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (218)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (222)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (227)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (232)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (233)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (234)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (236)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (238)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (239)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (240)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (241)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (242)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (245)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (246)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (248)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (249)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (250)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (252)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (253)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (254)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (255)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (256)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (261)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (266)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (267)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (268)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (269)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (271)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (274)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (276)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (278)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (281)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (283)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (286)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (287)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (291)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (292)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (293)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (294)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (295)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (297)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (298)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (300)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3943)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3944)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3945)
<223> n equals a,t,g, or c

<220>
```

<220>
<221> SITE
<222> (3946)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3947)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3948)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3949)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3950)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3951)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3952)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3953)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3954)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3955)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3956)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3957)
<223> n equals a,t,g, or c

<220>
<221> SITE

10466

```
<222> (3958)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3959)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3960)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3961)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3962)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3963)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3964)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3965)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3966)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3967)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3968)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3969)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3970)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3971)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3972)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3973)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3974)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3975)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3976)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3977)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3978)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3979)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3980)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3981)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3982)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (3983)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3984)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3985)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3986)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3987)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3988)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3989)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3990)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3991)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3992)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3993)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3994)
<223> n equals a,t,g, or c
```

10469

```
<220>
<221> SITE
<222> (3995)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3996)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3997)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3998)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (3999)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4000)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4001)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4002)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4003)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4004)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4005)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4006)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (4007)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4008)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4009)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4010)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4011)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4012)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4013)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4014)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4015)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4016)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4017)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4018)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (4019)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4020)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4021)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4022)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4023)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4024)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4025)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4026)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4027)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4028)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4029)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4030)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4031)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4032)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4033)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4034)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4035)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4036)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4037)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4038)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4039)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4040)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4041)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4042)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4043)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (4044)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4045)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4046)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4047)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4048)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4049)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4050)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4051)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4052)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4053)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4054)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4055)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (4056)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4057)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4058)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4059)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4060)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4061)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4062)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4063)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4064)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4065)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4066)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4067)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (4068)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4069)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4070)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4071)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4072)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4073)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4074)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4075)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4076)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4077)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4078)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4079)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (4080)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4081)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4082)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4083)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4084)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4085)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4086)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4087)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4088)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4089)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4090)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4091)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4092)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4093)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4094)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4095)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4096)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4097)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4098)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4099)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4100)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4101)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4102)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4103)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4104)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (4105)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4106)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4107)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4108)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4109)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4110)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4111)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4112)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4113)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4114)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4115)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4116)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (4117)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4118)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4119)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4120)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4121)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4122)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4123)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4124)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4125)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4126)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4127)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4128)
<223> n equals a,t,g, or c

<220>
```

<221> SITE
<222> (4129)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4130)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4131)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4132)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4133)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4134)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4135)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4136)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4137)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4138)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4139)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4140)
<223> n equals a,t,g, or c

<220>
<221> SITE

```
<222> (4141)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4142)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4143)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4144)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4145)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4146)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4147)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4148)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4149)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4150)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4151)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4152)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4153)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4154)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4155)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4156)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4157)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4158)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4159)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4160)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4161)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4162)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4163)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4164)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4165)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (4166)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4167)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4168)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4169)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4170)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4171)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4172)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4173)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4174)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4175)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4176)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4177)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (4178)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4179)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4180)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4181)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4182)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4183)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4184)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4185)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4186)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4187)·
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4188)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4189)
<223> n equals a,t,g, or c

<220>
```

<220>
<221> SITE
<222> (4190)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4191)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4192)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4193)
<223> n· equals a,t,g, or c

<220>
<221> SITE
<222> (4194)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4195)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4196)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4197)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4198)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4199)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4200)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4201)
<223> n equals a,t,g, or c

<220>
<221> SITE

<222> (4202)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4203)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4204)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4205)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4206)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4207)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4208)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4209)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4210)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4211)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4212)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4213)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4214)

<220>

<220>
<221> SITE
<222> (4215)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4216)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4217)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4218)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4219)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4220)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4221)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4222)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4223)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4224)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4225)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4226)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (4227)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4228)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4229)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4230)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4231)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4232)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4233)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4234)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4235)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4236)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4237)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4238)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (4239)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4240)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4241)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4242)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4243)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4244)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4245)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4246)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4247)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4248)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4249)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4250)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (4251)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4252)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4253)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4254)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4255)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4256)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4257)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4258)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4259)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4260)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4261)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4262)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (4263)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4264)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4265)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4266)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4267)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4268)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4269)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4270)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4271)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4272)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4273)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4274)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4275)
```

```
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4276)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4277)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4278)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4279)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4280)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4281)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4282)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4283)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4284)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4285)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4286)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4287)
<223> n equals a,t,g, or c
```

10493

```
<220>
<221> SITE
<222> (4288)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4289)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4290)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4291)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4292)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4293)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4294)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4295)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4296)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4297)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4298)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4299)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (4300)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4301)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4302)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4303)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4304)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4305)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4306)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4307)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4308)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4309)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4310)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4311)
<223> n equals a,t,g, or c

<220>
```

```
<221> SITE
<222> (4312)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4313)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4314)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4315)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4316)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4317)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4318)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4319)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4320)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4321)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4322)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4323)
<223> n equals a,t,g, or c

<220>
<221> SITE
```

```
<222> (4324)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4325)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4326)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4327)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4328)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4329)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4330)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4331)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4332)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4333)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4334)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4335)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4336)
```

<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4337)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4338)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4339)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4340)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4341)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4342)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4343)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4344)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4345)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4346)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4347)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4348)
<223> n equals a,t,g, or c

```
<220>
<221> SITE
<222> (4349)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4350)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4351)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4352)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4353)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4354)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4355)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4356)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4357)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4358)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4359)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4360)
<223> n equals a,t,g, or c
```

```
<220>
<221> SITE
<222> (4361)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4362)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4363)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4364)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4365)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4366)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4367)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4368)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4369)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4370)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4371)
<223> n equals a,t,g, or c

<220>
<221> SITE
<222> (4372)
<223> n equals a,t,g, or c

<220>
```